

Connecting via winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspal653adk

PASSWORD:  
\*\*\*\*\* RECONNECTED TO STN INTERNATIONAL \*\*\*\*\*  
SESSION RESUMED IN FILE 'HCAPLUS, BEILSTEIN' AT 09:11:49 ON 08 DEC 2004  
FILE 'HCAPLUS' ENTERED AT 09:11:49 ON 08 DEC 2004  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)  
FILE 'BEILSTEIN' ENTERED AT 09:11:49 ON 08 DEC 2004  
COPYRIGHT (C) 2004 Beilstein-Institut zur Foerderung der Chemischen Wissenschaften  
licensed to Beilstein GmbH and MDL Information Systems GmbH

COST IN U.S. DOLLARS SINCE FILE  
TOTAL ENTRY

SESSION FULL ESTIMATED COST 245.32  
464.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE  
TOTAL ENTRY

SESSION CA SUBSCRIBER PRICE 0.00  
3.96

=> fil reg  
COST IN U.S. DOLLARS SINCE FILE  
TOTAL ENTRY

SESSION FULL ESTIMATED COST 245.32  
464.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE  
TOTAL ENTRY

SESSION CA SUBSCRIBER PRICE 0.00  
3.96

FILE 'REGISTRY' ENTERED AT 09:11:55 ON 08 DEC 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 American Chemical Society (ACS)

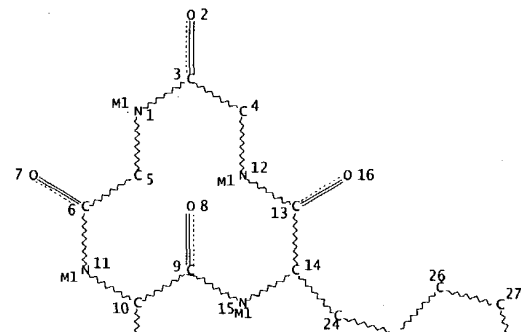
Property values tagged with IC are from the ZIC/VINITI data file

27-28 28-29 29-30  
exact/norm bonds :  
1-5 1-3 2-3 3-4 4-12 5-6 6-7 6-11 8-9 9-10 9-15 10-11 10-17 12-13 13-14 13-16 14-15 14-24 17-18 18-19 18-23 19-20 20-21 21-22 22-23 24-25 25-26 25-30 26-27 27-28 28-29 28-35 29-30 35-36  
exact bonds :  
1-33 11-34 12-32 15-31

Match level :  
1:Atom 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS  
9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom  
16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom  
23:Atom 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom  
30:Atom 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS

L7 STRUCTURE UPLOADED

=> d 17  
L7 HAS NO ANSWERS  
L7 STR



Page 1-A

provided by InfoChem.

STRUCTURE FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7  
DICTIONARY FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7

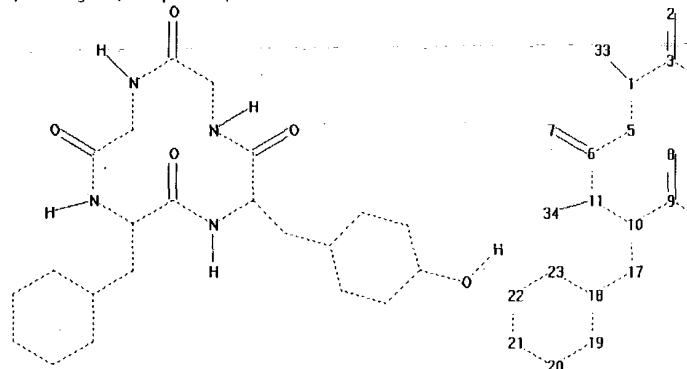
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

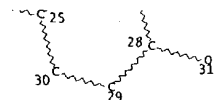
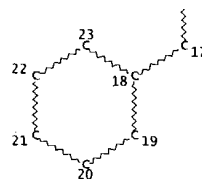
Crossover limits have been increased. See HELP CROSSOVER for  
details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading H:\STN queries\10068905\_f1b.str



chain nodes :  
2 7 8 16 17 24 31 32 33 34 35 36  
ring nodes :  
1 3 4 5 6 9 10 11 12 13 14 15 18 19 20 21 22 23 25  
26 27 28 29 30  
chain bonds :  
1-33 2-3 6-7 8-9 10-17 11-34 12-32 13-16 14-24 15-31 17-18  
24-25 28-35 35-36  
ring bonds :  
1-5 1-3 3-4 4-12 5-6 6-11 9-10 9-15 10-11 12-13 13-14 14-15 18-19 18-23 19-20 20-21 21-22 22-23 25-26 25-30 26-27



Page 2-A

1

Page 2-B

NODE ATTRIBUTES:  
HCOUNT IS M1 AT 1  
HCOUNT IS M1 AT 11  
HCOUNT IS M1 AT 12  
HCOUNT IS M1 AT 15  
HCOUNT IS M1 AT 31  
NSPEC IS R AT 1  
NSPEC IS C AT 2  
NSPEC IS R AT 3  
NSPEC IS R AT 4  
NSPEC IS R AT 5  
NSPEC IS R AT 6  
NSPEC IS C AT 7  
NSPEC IS C AT 8  
NSPEC IS R AT 9  
NSPEC IS R AT 10  
NSPEC IS R AT 11  
NSPEC IS R AT 12  
NSPEC IS R AT 13  
NSPEC IS R AT 14  
NSPEC IS R AT 15  
NSPEC IS C AT 16  
NSPEC IS C AT 17  
NSPEC IS R AT 18  
NSPEC IS R AT 19  
NSPEC IS R AT 20  
NSPEC IS R AT 21  
NSPEC IS R AT 22  
NSPEC IS R AT 23  
NSPEC IS C AT 24  
NSPEC IS R AT 25  
NSPEC IS R AT 26  
NSPEC IS R AT 27  
NSPEC IS R AT 28  
NSPEC IS R AT 29

NSPEC IS R AT 30  
NSPEC IS C AT 31  
DEFAULT MLEVEL IS ATOM  
MLEVEL IS CLASS AT 2 7 8 16 17 24 31  
DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 31

STEREO ATTRIBUTES: NONE

=> s 17  
SAMPLE SEARCH INITIATED 09:12:36 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 1982 TO ITERATE

50.5% PROCESSED 1000 ITERATIONS 0  
ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 36970 TO 42310  
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s 17 ful  
FULL SEARCH INITIATED 09:12:41 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 39894 TO ITERATE

100.0% PROCESSED 39894 ITERATIONS 6  
ANSWERS  
SEARCH TIME: 00.00.01

L9 6 SEA SSS FUL L7

=> file caplus  
COST IN U.S. DOLLARS  
TOTAL

SESSION  
FULL ESTIMATED COST 155.84  
620.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE  
TOTAL

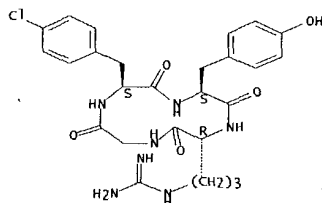
SESSION  
CA SUBSCRIBER PRICE 0.00  
3.96

FILE 'CAPLUS' ENTERED AT 09:12:49 ON 08 DEC 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

TT, TZ, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR,  
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK,  
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,  
TG  
US 2003176329 A1 20030918 US 2002-68905  
20020207 EP 1481002 A1 20041201 EP 2003-737222  
20030205 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,  
SK  
PRIORITY APPLN. INFO.: US 2002-68905 A  
20020207 WO 2003-CA148 W

20030205  
OTHER SOURCE(S): MARPAT 139:180347  
IT 565468-97-5P 565468-98-6P 573720-47-5P  
573720-48-6P 573720-49-7P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation);  
THU (Therapeutic use); BIOL (Biological study); PREP (Preparation);  
USES  
(Uses)  
(preparation of histogranin-like peptides and non-peptides)  
RN 565468-97-5 CAPLUS  
CN Cyclo(D-arginylglycyl-4-chloro-L-phenylalanyl-L-tyrosyl) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



RN 565468-98-6 CAPLUS

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FILE COVERS 1907 - 8 Dec 2004 VOL 141 ISS 24  
FILE LAST UPDATED: 6 Dec 2004 (20041206/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

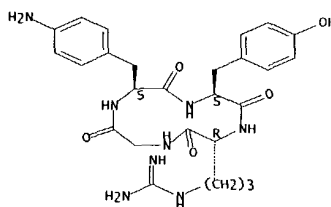
=> s 19  
L10 3 L9  
=> d l10 1-3 ibib hitstr

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:633749 CAPLUS Full-text  
DOCUMENT NUMBER: 139:180347  
TITLE: Preparation of histogranin-like peptides and non-peptides  
INVENTOR(S): Lemaire, Simon; Bernatchez-Lemaire, Irma;  
Le,  
PATENT ASSIGNEE(S): Hoang-Tanh  
University of Ottawa, Can.  
SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
WO 2003066673	A1	20030814	WO 2003-CA148
20030205	C1	20031204	
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GR, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,			

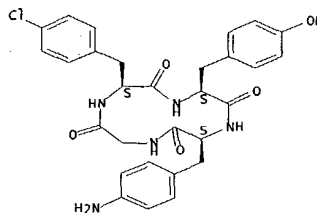
CN Cyclo(D-arginylglycyl-4-amino-L-phenylalanyl-L-tyrosyl) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



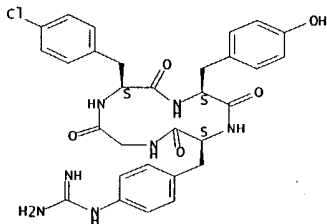
RN 573720-47-5 CAPLUS  
CN Cyclo(glycyl-4-chloro-L-phenylalanyl-L-tyrosyl-4-amino-L-phenylalanyl) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



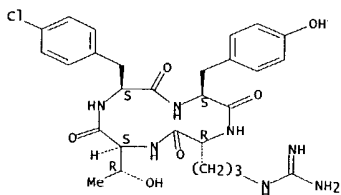
RN 573720-48-6 CAPLUS  
CN Cyclo(glycyl-4-chloro-L-phenylalanyl-L-tyrosyl-4-[(aminoiminomethyl)amino]-L-phenylalanyl) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



RN 573720-49-7 CAPLUS  
CN Cyclo(D-arginyl-L-threonyl-4-chloro-L-phenylalanyl-L-tyrosyl)  
(9CI) (CA INDEX NAME)

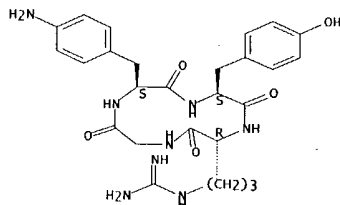
Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RE FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:421338 CAPLUS Full-text  
DOCUMENT NUMBER: 139:133827  
TITLE: Bioactive Peptidic Analogues and  
Cyclostereoisomers of

AUTHOR(S): the Minimal Antinociceptive Histogranin  
Fragment-(7-10)  
Annie-Kim; Le, Hoang-Thanh; Lemaire, Irma B.; Gilbert,  
CORPORATE SOURCE: Jolicoeur, Francois; Lemaire, Simon  
Department of Cellular and Molecular

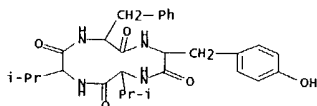


REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS  
RE FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE

L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1980:406071 CAPLUS Full-text  
DOCUMENT NUMBER: 93:6071  
TITLE: Gushing-inducing peptides in beer produced by

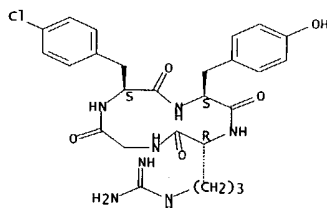
AUTHOR(S): Penicillium chrysogenum  
Kawasaki, Kitabatake, Katsuaki; Fukushima, Shuji;  
CORPORATE SOURCE: Ichiro; Amaha, Mikio  
143, Japan Cent. Res. Lab., Asahi Brew. Ltd., Tokyo,  
SOURCE: Peptide Chemistry (1980), Volume Date 1979,  
17th, 7-12

DOCUMENT TYPE: CODEN: PECHDP; ISSN: 0388-3698  
LANGUAGE: Journal  
IT 73787-51-6 English  
RL: BIOL (Biological study)  
(beer gushing induction by)  
RN 73787-51-6 CAPLUS  
CN Cyclo(D-phenylalanyl-L-tyrosyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



Medicine, Faculty of Medicine, University of Ottawa, Ottawa,  
ON, K1H 8M5, Can.  
SOURCE: Journal of Medicinal Chemistry (2003),  
46(14), 3094-3101  
CODEN: JMCMAR; ISSN: 0022-2623  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 139:133827  
IT 565468-97-5P 565468-98-6P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation);  
BIOL (Biological study); PREP (Preparation)  
(preparation and analgesic activity of cyclic peptide analogs  
of histogranin(7-10))  
RN 565468-97-5 CAPLUS  
CN Cyclo(D-arginylglycyl-4-chloro-L-phenylalanyl-L-tyrosyl) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



RN 565468-98-6 CAPLUS  
CN Cyclo(D-arginylglycyl-4-amino-L-phenylalanyl-L-tyrosyl) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.

=> DIS HIST

(FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004)

FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004  
L1 STRUCTURE UPLOADED  
L2 6 S L1 SAM  
L3 147 S L1 FUL

FILE 'HCAPLUS, BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004  
L4 96 S L3  
L5 96 DUP REM L4 (0 DUPLICATES REMOVED)  
L6 64 L4 AND PD<20020207

FILE 'REGISTRY' ENTERED AT 09:11:55 ON 08 DEC 2004  
L7 STRUCTURE UPLOADED  
L8 0 S L7  
L9 6 S L7 FUL

FILE 'CAPLUS' ENTERED AT 09:12:49 ON 08 DEC 2004  
L10 3 S L9

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE
TOTAL	ENTRY
SESSION	10.25
FULL ESTIMATED COST	
630.64	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE
TOTAL	ENTRY
SESSION	0.00
CA SUBSCRIBER PRICE	
3.96	

STN INTERNATIONAL LOGOFF AT 09:13:25 ON 08 DEC 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1653adk

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 01 INPADOC: New family current-awareness alert (SDI)  
available  
NEWS 4 SEP 01 New pricing for the Save Answers for SciFinder  
Wizard within

STN Express with Discover!  
NEWS 5 SEP 01 New display format, HITSTR, available in  
WPIDS/WPINDEX/WPIX

NEWS 6 SEP 27 STANDARDS will no longer be available on STN  
NEWS 7 SEP 27 SWETSCAN will no longer be available on STN  
NEWS 8 OCT 28 KOREAPAT now available on STN  
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and  
current

search transcripts to be affected by CERAB,

COMPUAB, ELCOM,

and SOLIDSTATE reloads

NEWS 10 NOV 30 PHAR reloaded with additional data

NEWS 11 DEC 01 LISA now available on STN

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0c(JP),  
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

STN Operating Hours Plus Help Desk Availability

General Internet Information

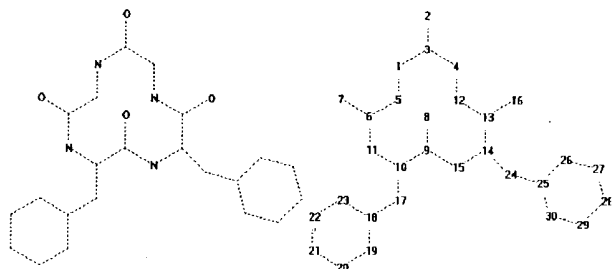
NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to  
STN

NEWS WWW CAS World Wide Web site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to  
scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.



chain nodes :  
2 7 8 16 17 24

ring nodes :

1 3 4 5 6 9 10 11 12 13 14 15 18 19 20 21 22 23 25  
26 27 28 29 30

chain bonds :

2-3 6-7 8-9 10-17 13-16 14-24 17-18 24-25

ring bonds :

1-5 1-3 3-4 4-12 5-6 6-11 9-10 9-15 10-11 12-13 13-14 14-15  
15-18-19 18-23 19-20 20-21 21-22 22-23 25-26 25-30 26-27

27-28 28-29 29-30

exact/norm bonds :

1-5 1-3 2-3 3-4 4-12 5-6 6-7 6-11 8-9 9-10 9-15 10-11 10-17  
12-13 13-14 13-16 14-15 14-24 17-18 18-19 18-23 19-20  
20-21 21-22 22-23 24-25 25-26 25-30 26-27 27-28 28-29 29-30

Match level :

1:Atom 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS

9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom

16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom

23:Atom 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom

30:Atom

L1 STRUCTURE UPLOADED

=> s l1 sam

SAMPLE SEARCH INITIATED 08:18:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1982 TO ITERATE

50.5% PROCESSED 1000 ITERATIONS

ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7

DICTIONARY FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for  
details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

uploading H:\STN queries\10068905\_f1.str

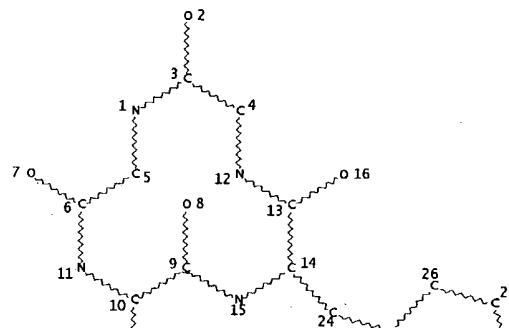
FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 36970 TO 42310  
PROJECTED ANSWERS: 31 TO 443

L2 6 SEA SSS SAM L1

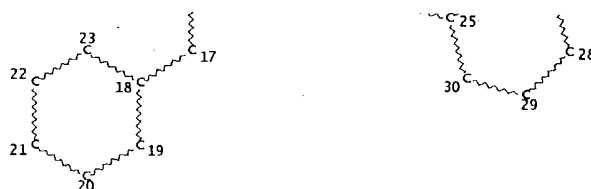
=> d l1

L1 HAS NO ANSWERS

L1 STR



Page 1-A



Page 2-A

NODE ATTRIBUTES:

NSPEC IS R AT 1

NSPEC IS C AT 2

NSPEC IS R AT 3  
NSPEC IS R AT 4  
NSPEC IS R AT 5  
NSPEC IS R AT 6  
NSPEC IS C AT 7  
NSPEC IS C AT 8  
NSPEC IS R AT 9  
NSPEC IS R AT 10  
NSPEC IS R AT 11  
NSPEC IS R AT 12  
NSPEC IS R AT 13  
NSPEC IS R AT 14  
NSPEC IS R AT 15  
NSPEC IS C AT 16  
NSPEC IS C AT 17  
NSPEC IS R AT 18  
NSPEC IS R AT 19  
NSPEC IS R AT 20  
NSPEC IS R AT 21  
NSPEC IS R AT 22  
NSPEC IS R AT 23  
NSPEC IS C AT 24  
NSPEC IS R AT 25  
NSPEC IS R AT 26  
NSPEC IS R AT 27  
NSPEC IS R AT 28  
NSPEC IS R AT 29  
NSPEC IS R AT 30  
DEFAULT MLEVEL IS ATOM  
MLEVEL IS CLASS AT 2 7 8 16 17 24  
DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE

=> s l1 ful  
FULL SEARCH INITIATED 08:21:21 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 39894 TO ITERATE

100.0% PROCESSED 39894 ITERATIONS  
ANSWERS  
SEARCH TIME: 00.00.01

L3 147 SEA SSS FUL L1

=> file hcaplus biel careact  
'BIEL' IS NOT A VALID FILE NAME  
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files  
that are available. If you have requested multiple files, you can  
specify a corrected file name or you can enter "IGNORE" to continue  
accessing the remaining file names entered.  
ENTER A FILE NAME OR (IGNORE):biel  
'CAREACT' IS NOT A VALID FILE NAME

PATENT ASSIGNEE(S): The salk institute for biological studies,  
USA  
SOURCE: U.S., 35 pp., Cont.-in-part of U.S.  
6,387,673.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

DATE	PATENT NO.	KIND	DATE	APPLICATION NO.
19971110	US 6706762	B1	20040316	US 1997-966876
19971110	US 6387673	B1	20020514	US 1997-846881
19970501	CA 2308377	AA	19990520	CA 1998-2308377
19981110	WO 9923885	A1	19990520	WO 1998-US23962
19981110	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
19981110	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
19981110	AU 9913959	A1	19990531	AU 1999-13959
19981110	EP 1037533	A1	20000927	EP 1998-957781
19981110	R: CH, DE, FR, GB, LI			
19970501	PRIORITY APPLN. INFO.: 19970501			US 1997-846881 A2
19971110				US 1997-966876 A
19981110				WO 1998-US23962 W
IT 133155-89-2				
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (uses)				
(methods for the use of inhibitors of co-repressors for the treatment of neoplastic diseases)				
RN 133155-89-2				HCAPLUS
CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl]-L-phenylalanyl-				

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.  
ENTER A FILE NAME OR (IGNORE):bielstein  
'BIELSTEIN' IS NOT A VALID FILE NAME  
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.  
ENTER A FILE NAME OR (IGNORE):beilstein  
COST IN U.S. DOLLARS  
TOTAL  
SESSION  
FULL ESTIMATED COST  
219.23  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
TOTAL  
SESSION  
CA SUBSCRIBER PRICE  
3.96  
FILE 'HCAPLUS' ENTERED AT 08:22:09 ON 08 DEC 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE 'BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004  
COPYRIGHT (C) 2004 Beilstein-Institut zur Foerderung der Chemischen Wissenschaften  
Licensed to Beilstein GmbH and MDL Information Systems GmbH

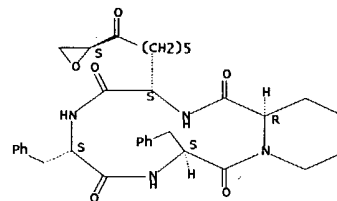
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ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
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L5 96 DUP REM L4 (0 DUPLICATES REMOVED)

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L6 ANSWER 1 OF 64 HCAPLUS COPYRIGHT 2004 ACS ON STN  
ACCESSION NUMBER: 2004:212151 HCAPLUS Full-text  
DOCUMENT NUMBER: 140:229431  
TITLE: Methods for the use of inhibitors of co-repressors for the treatment of neoplastic diseases  
INVENTOR(S): Evans, Ronald M.; Lin, Richard J.; Nagy, Laszlo

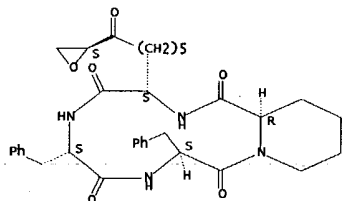
L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
Absolute stereochemistry.



REFERENCE COUNT: 95 THERE ARE 95 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT  
L6 ANSWER 2 OF 64 HCAPLUS COPYRIGHT 2004 ACS ON STN  
ACCESSION NUMBER: 2003:509378 HCAPLUS Full-text  
DOCUMENT NUMBER: 140:52743  
TITLE: Hydroxamic acid analogs of naturally-occurring cyclic tetrapeptides, trapoxin, WF-3161, Cyl-1, HC-chlamydocin inhibit histone deacetylases  
AUTHOR(S): Nishino, Norikazu; Tomizaki, Kin-ya; Makiko; Yoshikawa, Daisuke; Shinta, Ryuzo; Hidekazu; Tanaka, Yuji; Kato, Tamaki; Komatsu, Yasuhiko; Nishiyama, Makoto; Furumai, Ryohei; Yoshida, Minoru  
CORPORATE SOURCE: Department of Applied Chemistry, Faculty of Engineering, Kyushu Institute of Technology, Tobata, Kitakyushu, 804-8550, Japan  
SOURCE: Peptides 2000, Proceedings of the European Symposium, 26th, Montpellier, France, Sept. 10-15, 2000 (2001), Meeting Date 2000, 41-42.  
Editor(s): Martinez, Jean; Fehrentz, Jean-Alain.  
Editions EDK: Paris, Fr.  
CODEN: 69EDWK; ISBN: 2-84254-048-4  
DOCUMENT TYPE: Conference

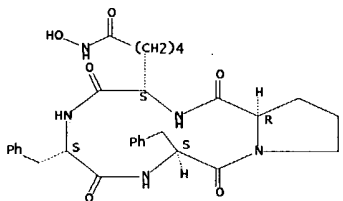
LANGUAGE: English  
 IT 133155-89-2, Trapoxin a  
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
 tetrapeptides, (hydroxamic acid analogs of naturally-occurring cyclic  
 trapoxin, WF-3161, Cyl-1, HC-toxin and chlamydocin inhibit  
 histone deacetylases)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



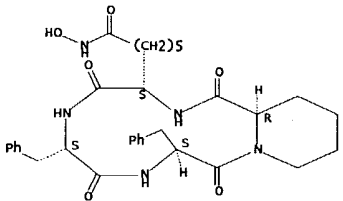
IT 221186-39-6P 221186-42-1P 221186-43-2P  
 331836-53-4P  
 RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);  
 PREP (Preparation); USES (Uses)  
 (hydroxamic acid analogs of naturally-occurring cyclic  
 tetrapeptides, trapoxin, WF-3161, Cyl-1, HC-toxin and chlamydocin inhibit  
 histone deacetylases)  
 RN 221186-39-6 HCAPLUS  
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Absolute stereochemistry.



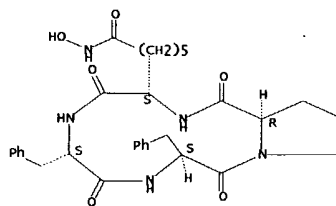
RN 331836-53-4 HCAPLUS  
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Absolute stereochemistry.



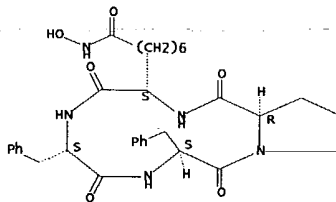
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE  
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
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L6 ANSWER 3 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:692467 HCAPLUS Full-text  
 DOCUMENT NUMBER: 138:385700  
 TITLE: Design of analogs of trapoxin, Cyl-1, and  
 chlamydocin  
 AUTHOR(S): for MHC class-I molecule up-regulation  
 Nishino, Norikazu; Kato, Tamaki; Komatsu,  
 Yasuhiko; Yoshida, Minoru  
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of  
 Engineering, Kyushu Institute of Technology,



RN 221186-42-1 HCAPLUS  
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Absolute stereochemistry.

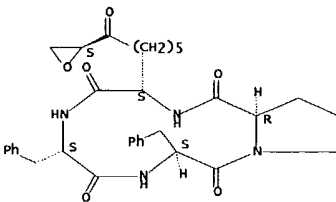


RN 221186-43-2 HCAPLUS  
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Absolute stereochemistry.

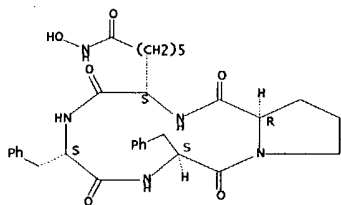
SOURCE: Kitakyushu, 804-8550, Japan  
 Proceedings of the Peptides: The wave of the Future,  
 American Second International and the Seventeenth  
 states, June Peptide Symposium, San Diego, CA, United  
 9-14, 2001 (2001), 528-529. Editor(s):  
 Lebl, Michal; Houghten, Richard A. American  
 Peptide Society: San Diego, Calif.  
 CODEN: 69DBAL; ISBN: 0-9715560-0-8  
 DOCUMENT TYPE: Conference  
 LANGUAGE: English  
 IT 133155-90-SDP, Trapoxin b, hydroxamic acid analogs  
 221186-39-6P 221186-56-7P 221186-58-9P  
 221186-62-5P 527705-77-7P 527705-82-4P  
 527705-87-9P 527705-90-4P 527705-94-8P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation);  
 BIOL (Biological study); PREP (Preparation)  
 (analog of trapoxin, Cyl-1, and chlamydocin for MHC class-I  
 mol. up-regulation)  
 RN 133155-90-5 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



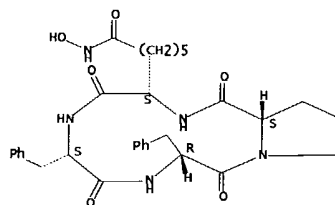
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Absolute stereochemistry.



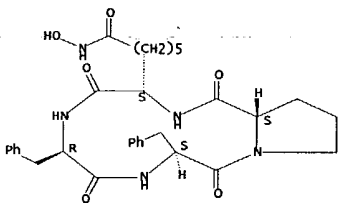
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Absolute stereochemistry.



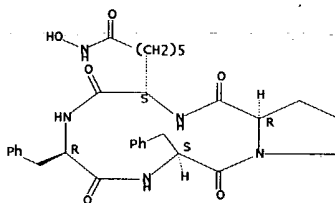
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Absolute stereochemistry.



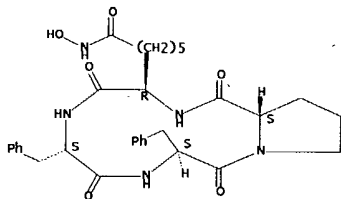
RN 221186-58-9 HCAPLUS  
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Absolute stereochemistry.



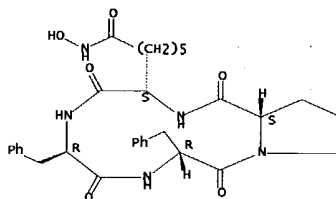
RN 527705-77-7 HCAPLUS  
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Absolute stereochemistry.



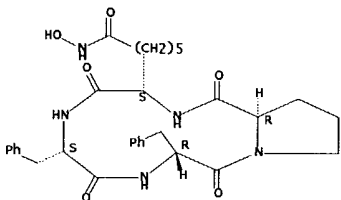
RN 527705-82-4 HCAPLUS  
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Absolute stereochemistry.



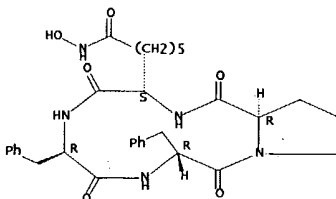
RN 527705-90-4 HCAPLUS  
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Absolute stereochemistry.



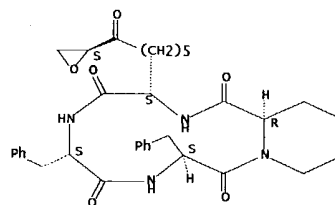
RN 527705-87-9 HCAPLUS  
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Absolute stereochemistry.



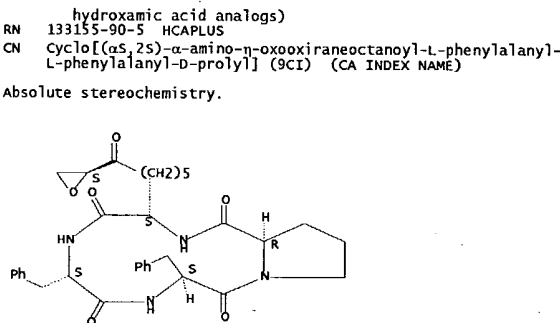
RN 527705-94-8 HCAPLUS  
CN Cyclo[(2R)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-prolyl-D-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 73 THERE ARE 73 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
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16 ANSWER 5 OF 64 HCAPLUS COPYRIGHT 2004 ACS ON STN  
 ACCESSION NUMBER: 2002:102736 HCAPLUS Full-text  
 DOCUMENT NUMBER: 137:28815  
 TITLE: Molecular cloning and characterization of a  
 novel histone deacetylase HDAC10  
 AUTHOR(S): Guardiola, Amaris R.; Yao, Tso-Pang  
 CORPORATE SOURCE: Department of Pharmacology and Cancer  
 Biology, Duke University Medical Center, Durham, NC,  
 27710, USA  
 SOURCE: Journal of Biological Chemistry (2002),  
 277(5), 3350-3356  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and  
 Molecular Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-90-5, Trapoxin B  
 RL: BSU (Biological study, unclassified); BIOL (Biological  
 study) (HDAC10 activity is resistant to inhibitor; mol. cloning and  
 characterization of a novel histone deacetylase HDAC10)  
 RN 133155-90-5 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxoxiraneoctanoyl]-L-phenylalanyl-  
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 Absolute stereochemistry.



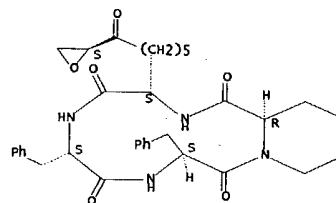
REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT

LG ANSWER 7 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:30994 HCAPLUS Full-text  
 DOCUMENT NUMBER: 136:79800  
 TITLE: Valproic acid and derivatives thereof as  
 histone deacetylase inhibitors, and therapeutic use  
 INVENTOR(S): Gottlicher, Martin; Heinzl, Thorsten;  
 Groner, Bernd;  
 PATENT ASSIGNEE(S): Herrlich, Peter  
 chemotherapeutisches Forschungsinstitut  
 Georg-Speyer-Haus, Germany  
 SOURCE: Eur. Pat. Appl., 25 pp.  
 CODEN: EPXXXX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

DATE	PATENT NO.	KIND	DATE	APPLICATION NO.
EP 1170008	A1	20020109	EP 2000-114088	
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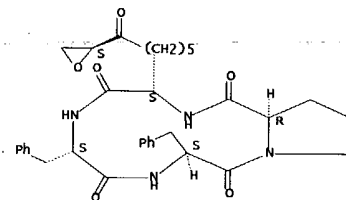


CA 2414967 AA 20020131 CA 2001-2414967  
 20010705 <--  
 WO 2002007722 A2 20020131 WO 2001-EP7704  
 20010705 <--  
 WO 2002007722 A3 20020718  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
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 EP 1301184 A2 20030416 EP 2001-962831  
 20010705 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 JP 2004504347 T2 20040212 JP 2002-513458  
 20010705 US 2004087652 A1 20040506 US 2003-332353  
 20030811 PRIORITY APPLN. INFO.: EP 2000-114088 A  
 20000707 WO 2001-EP7704 W  
 20010705  
 OTHER SOURCE(S): MARPAT 136:79800  
 IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B  
 RL: PAC (Pharmacological activity); BIOL (Biological study)  
 (valproic acid and derivs. as histone deacetylase inhibitors, and therapeutic use)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



RN 133155-90-5 HCAPLUS  
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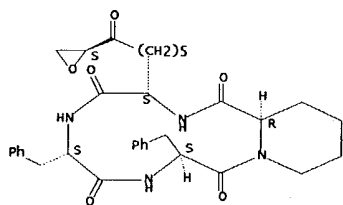
Absolute stereochemistry.



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES  
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
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L6 ANSWER 8 OF 64 HCAPLUS COPYRIGHT 2004 ACS ON STN  
 ACCESSION NUMBER: 2001:864080 HCAPLUS Full-text  
 DOCUMENT NUMBER: 136:144662  
 TITLE: Synthesis of 7200 small molecules based on a  
 Substructural Analysis of the Histone  
 Deacetylase  
 Inhibitors Trichostatin and Trapoxin  
 AUTHOR(S): Sternson, Scott M.; Wong, Jason C.;  
 Grozinger, Christina M.; Schreiber, Stuart L.  
 CORPORATE SOURCE: Howard Hughes Medical Institute Institute of

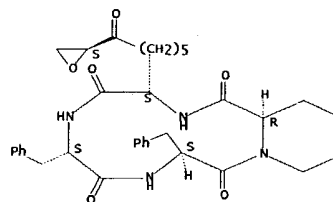
Chemistry and Cell Biology Department of Chemistry  
 Chemical Biology, Harvard University, Cambridge, MA,  
 02138, USA  
 SOURCE: Organic Letters (2001), 3(26), 4239-4242  
 CODEN: ORLEF7; ISSN: 1523-7060  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-89-2  
 RL: PAC (Pharmacological activity); BIOL (Biological study)  
 (synthesis of 7200 small mols. based on a substructural anal.  
 of histone deacetylase inhibitors trichostatin and trapoxin)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES  
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 9 OF 64 HCAPLUS COPYRIGHT 2004 ACS ON STN  
 ACCESSION NUMBER: 2001:587623 HCAPLUS Full-text  
 DOCUMENT NUMBER: 135:298184  
 TITLE: Structure, histone deacetylase, and  
 antiprotazoal activities of apicidins B and C, congeners  
 of apicidin with proline and valine substitutions  
 AUTHOR(S): Singh, Sheo B.; Zink, Deborah L.; Liesch,  
 Jerrold M.; Dombrowski, Anne W.; Darkin-Rattray, Sandra  
 J.; Schmatz, Dennis M.; Goetz, Michael A.

CORPORATE SOURCE: Merck Research Laboratories RY80Y-355,  
 Rahway, NJ, 07065, USA  
 SOURCE: Organic Letters (2001), 3(18), 2815-2818  
 CODEN: ORLEF7; ISSN: 1523-7060  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-89-2, Trapoxin A  
 RL: BSU (Biological study, unclassified); BIOL (Biological  
 study) (antiprotazoal structure activities of apicidins B and C,  
 congeners of apicidin with proline and valine substitutions)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES  
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 10 OF 64 HCAPLUS COPYRIGHT 2004 ACS ON STN  
 ACCESSION NUMBER: 2001:431009 HCAPLUS Full-text  
 DOCUMENT NUMBER: 135:251418  
 TITLE: Cyclic hydroxamic-acid-containing peptide  
 31, a potent synthetic histone deacetylase inhibitor with  
 antitumor activity  
 AUTHOR(S): Komatsu, Yasuhiko; Tomizaki, Kin-Ya;  
 Tsukamoto, Makiko; Kato, Tamaki; Nishino, Norikazu;  
 Sato, Shigeo; Yamori, Takao; Tsuruo, Takashi; Furumai,  
 Ryohei;

Hayashi, Hideya  
CORPORATE SOURCE:  
Laboratory, Japan

SOURCE:

PUBLISHER:  
DOCUMENT TYPE:  
LANGUAGE:

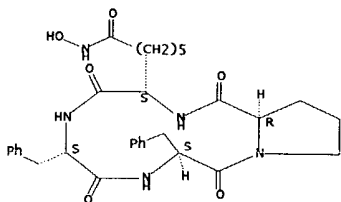
IT 221186-39-6 221186-42-1 221186-43-2  
221186-56-7 221186-57-8 221186-58-9  
221186-62-5 331836-53-4 362055-32-1  
362055-33-2

RL: BAC (Biological activity or effector, except adverse); BSU  
(Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)

(structure activity studies on cyclic hydroxamic-acid-containing peptide as potent synthetic histone deacetylase inhibitor with antitumor activity)

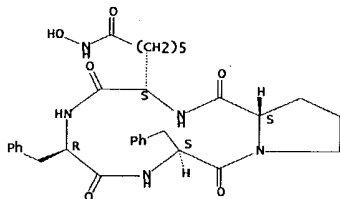
RN 221186-39-6 HCAPLUS  
CN cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



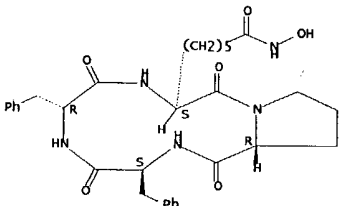
RN 221186-42-1 HCAPLUS  
CN cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



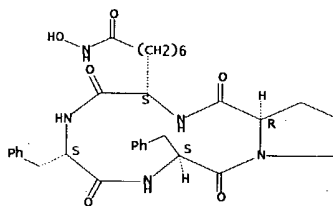
RN 221186-57-8 HCAPLUS  
CN cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-phenylalanyl-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



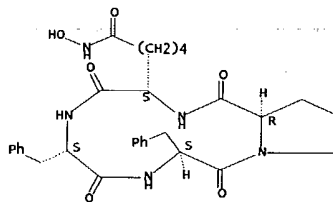
RN 221186-58-9 HCAPLUS  
CN cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



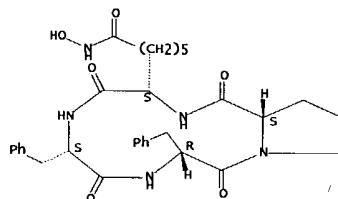
RN 221186-43-2 HCAPLUS  
CN cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



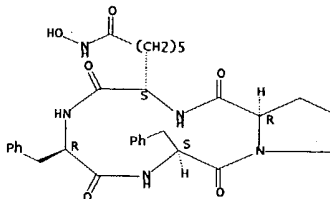
RN 221186-56-7 HCAPLUS  
CN cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



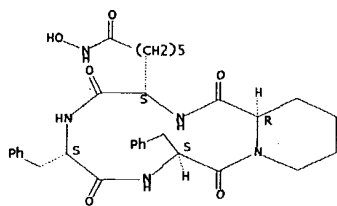
RN 221186-62-5 HCAPLUS  
CN cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



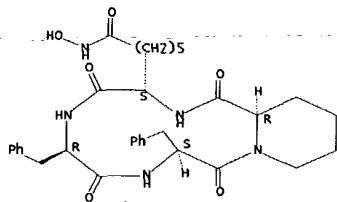
RN 331836-53-4 HCAPLUS  
CN cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



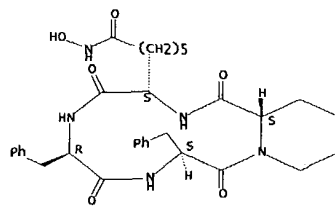
RN 362055-32-1 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 362055-33-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-(2S)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

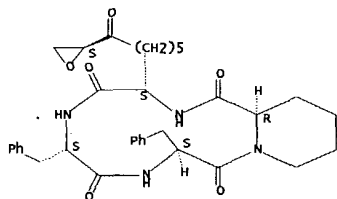
Absolute stereochemistry.



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:394968 HCAPLUS Full-text  
DOCUMENT NUMBER: 135:205090  
TITLE: Proteasome- and p38-dependent regulation of ERK3 expression  
AUTHOR(S): Zimmermann, Johann; Lamerant, Nathalie; Rita; Furst, Peter  
CORPORATE SOURCE: Oncology Research, Novartis Pharma AG, Basel, CH-4002, Switz.  
SOURCE: Journal of Biological Chemistry (2001), 276(14), 10759-10766  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133155-89-2, Trapoxin A  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (proteasome- and p38-dependent regulation of ERK3 expression induced by proteasome inhibitors)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

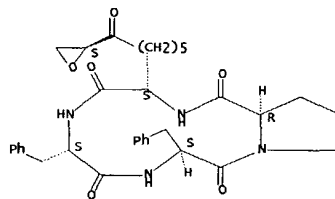
Absolute stereochemistry.



REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:381216 HCAPLUS Full-text  
DOCUMENT NUMBER: 135:131735  
TITLE: 3-(4-Aroyl-1H-pyrrol-2-yl)-N-hydroxy-2-propenamides, a new class of synthetic histone deacetylase inhibitors  
AUTHOR(S): Massa, Silvio; Mai, Antonello; Sbardella, Gianluca; Esposito, Monica; Ragno, Rino; Loidl, Peter; Brosch, Gerald  
CORPORATE SOURCE: Dipartimento Farmaco Chimico Tecnologico, universita degli Studi di Siena, Siena, 53100, Italy  
SOURCE: Journal of Medicinal Chemistry (2001), 44(13), 2069-2072  
CODEN: JMCMAR; ISSN: 0022-2623  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133155-90-5, Trapoxin B  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (structure-based drug design of synthetic histone deacetylase inhibitors)  
RN 133155-90-5 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

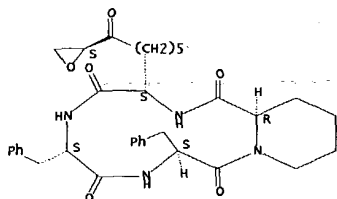


REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:185559 HCAPLUS Full-text  
DOCUMENT NUMBER: 134:232667  
TITLE: Therapeutic modulation of gene expression by modulating histone acetylation and transcription factor phosphorylation  
INVENTOR(S): Montminy, Marc R.  
PATENT ASSIGNEE(S): Salk Institute of biological studies, USA  
SOURCE: PCT Int. Appl., 46 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

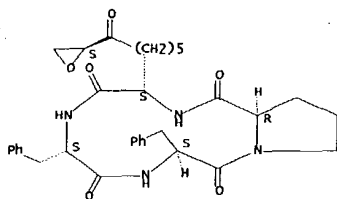
DATE	PATENT NO.	KIND	DATE	APPLICATION NO.
20000901	WO 2001017514	A1	20010315	WO 2000-US24211
CH, CN, GM, HR, LS, LT, RO, RU, UZ, VN, CH, CY,	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE,			

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 PRIORITY APPLN. INFO.: US 1999-390516 A1  
 19990903  
 IT 133155-89-2D Trapoxin A, derivs.  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological  
 study); USES  
 (Uses)  
 (in therapeutic regulation of gene expression through histone  
 acetylation; therapeutic modulation of gene expression by  
 modulating histone acetylation and transcription factor phosphorylation)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



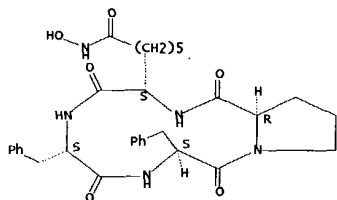
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE  
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
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L6 ANSWER 14 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2001:47667 HCAPLUS Full-TEXT  
 DOCUMENT NUMBER: 134:260861  
 TITLE: Potent histone deacetylase inhibitors built  
 from trichostatin A and cyclic tetrapeptide  
 antibiotics including trapoxin  
 AUTHOR(S): Furumai, Ryohei; Komatsu, Yasuhiko; Nishino,  
 Norikazu;  
 Horinouchi, Sueharu  
 CORPORATE SOURCE: Department of Biotechnology, The University



RN 221186-39-6 HCAPLUS  
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-  
 phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221186-42-1 HCAPLUS  
 CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-  
 phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

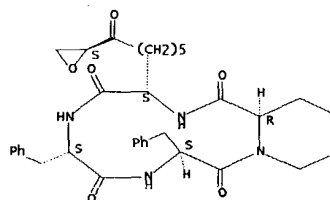
Absolute stereochemistry.

of Tokyo.

SOURCE: Proceedings of the National Academy of  
 Sciences of the

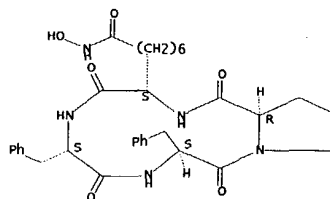
Tokyo, 113-8657, Japan  
 Proceedings of the National Academy of  
 Sciences of the  
 United States of America (2001), 98(1),  
 87-92  
 CODEN: PNASA6; ISSN: 0027-8424  
 National Academy of Sciences  
 Journal  
 English

PUBLISHER: English  
 DOCUMENT TYPE: English  
 LANGUAGE: English  
 IT 133155-89-2 133155-90-5 221186-39-6  
 221186-42-1 221186-43-2 221186-50-1  
 221186-85-2 331836-53-4  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological  
 study); USES  
 (Uses)  
 (potent histone deacetylase inhibitors built from  
 trichostatin A and  
 cyclic tetrapeptide antibiotics including trapoxin)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



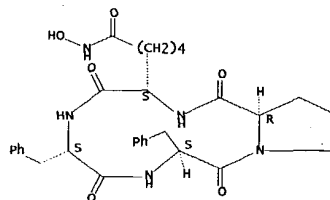
RN 133155-90-5 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



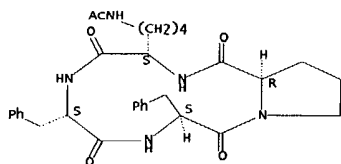
RN 221186-43-2 HCAPLUS  
 CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-  
 phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



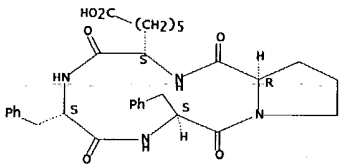
RN 221186-50-1 HCAPLUS  
 CN Cyclo[(N6-acetyl-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl)  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



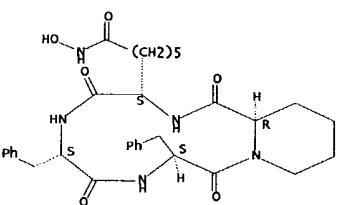
RN 221186-85-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-7-carboxyheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 331836-53-4 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

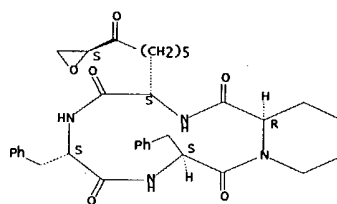
Absolute stereochemistry.



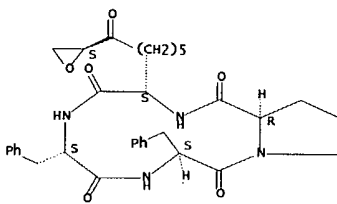
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT

L6 ANSWER 15 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:845477 HCAPLUS Full-text  
DOCUMENT NUMBER: 134:129399  
TITLE: up-regulation of costimulatory/adhesion  
molecules by histone deacetylase inhibitors in acute  
myeloid leukemia cells  
AUTHOR(S): Maeda, Takahiro; Towatari, Masayuki; Kosugi, Hiroshi;  
Saito, Hidehiko  
CORPORATE SOURCE: First Department of Internal Medicine,  
Nagoya University School of Medicine, Nagoya, 466-  
8550, Japan  
SOURCE: Blood (2000), 96(12), 3847-3856  
CODEN: BLOOAW; ISSN: 0006-4971  
PUBLISHER: American Society of Hematology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133155-89-2, Trapoxin A  
RL: BPR (Biological process); BSU (Biological study,  
unclassified); BIOL (Biological study); PROC (Process)  
(up-regulation of costimulatory/adhesion mol. by histone  
deacetylase inhibitors in acute myeloid leukemia cells)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



Absolute stereochemistry.



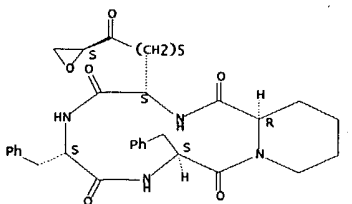
REFERENCE COUNT: 82 THERE ARE 82 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT

L6 ANSWER 17 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:780065 HCAPLUS Full-text  
DOCUMENT NUMBER: 134:80604  
TITLE: Mechanism of cell cycle arrest caused by  
histone deacetylase inhibitors in human carcinoma  
cells  
AUTHOR(S): Kim, Young Bae; Ki, Se won; Yoshida, Minoru;  
Horinouchi, Sueharu  
CORPORATE SOURCE: Department of Biotechnology, Graduate School  
of Agriculture and Life Sciences, The  
University of Tokyo, Tokyo, 113-8657, Japan  
SOURCE: Journal of Antibiotics (2000), 53(10),  
1191-1200  
CODEN: JANTAJ; ISSN: 0021-8820  
PUBLISHER: Japan Antibiotics Research Association  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133155-89-2, Trapoxin A  
RL: BAC (Biological activity or effector, except adverse); BSU  
(Biological study, unclassified); THU (Therapeutic use); BIOL (Biological  
study); USES (Uses)  
(mechanism of cell cycle arrest caused by histone deacetylase  
inhibitors in human carcinoma cells)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT

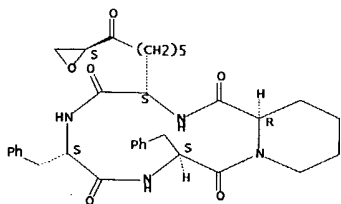
L6 ANSWER 16 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:820950 HCAPLUS Full-text  
DOCUMENT NUMBER: 134:360851  
TITLE: Chemical inducers for morphological  
reversion of oncogenically transformed NIH3T3 cells  
AUTHOR(S): Sonoda, Hikaru; Omi, Kazuo  
CORPORATE SOURCE: Diagnostics Science Division, Shionogi  
Research Laboratories, Shionogi and Co., Ltd., Osaka,  
553-0002, Japan  
SOURCE: Shionogi Kenkyusho Nenpo (2000), 50, 1-18  
CODEN: SKNEA7; ISSN: 0559-8680  
Shionogi Seiyaku K.K. Chuo Kenkyusho  
PUBLISHER: Journal; General Review  
DOCUMENT TYPE: English  
IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B  
RL: BAC (Biological activity or effector, except adverse); BSU  
(Biological study, unclassified); BIOL (Biological study)  
(morphol. reversion of oncogenically transformed NIH3T3 cells  
by)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 133155-90-5 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT

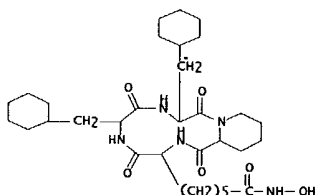
L6 ANSWER 18 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:772490 HCAPLUS Full-text  
DOCUMENT NUMBER: 133:340213  
TITLE: Antibody conjugates for delivery of  
antimicrobial

INVENTOR(S): Carlyle, Wenda C.  
PATENT ASSIGNEE(S): St. Jude Medical, Inc., USA  
SOURCE: PCT Int. Appl., 63 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

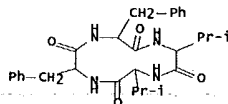
PATENT NO.	KIND	DATE	APPLICATION NO.
WO 2000064487	A2	20001102	WO 2000-US8389
20000330 <-- W: BR, JP, ZA RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
EP 1212094	A2	20020612	EP 2000-921508
20000330 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY			
BR 2000009947	A	20021231	BR 2000-9947
20000330 <-- JP 2003523315	T2	20030805	JP 2000-613477

PATENT NO.	KIND	DATE	APPLICATION NO.
JP 2000256397	A2	20000919	JP 1999-53851
19990302 <-- CA 2362817	AA	20000908	CA 2000-2362817
20000228 <-- NZ 513983	A	20010928	NZ 2000-513983
20000228 <-- EP 1174438	A1	20020123	EP 2000-905381
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NO 2001004225	A	20011017	NO 2001-4225
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20010904 <-- ZA 2001007320	A	20020904	ZA 2001-7320
20010904 <-- PRIORITY APPLN. INFO.: JP 1999-53851 A			
19990302 <-- WO 2000-JP1141	W		

20000228  
OTHER SOURCE(S): MARPAT 133:223052  
IT 291313-22-9P 291313-23-0P  
RL: BAC (Biological activity or effector, except adverse); BSU  
(Biological study, unclassified); SPN (Synthetic preparation); THU  
(Therapeutic use);  
BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of novel cyclic tetrapeptide derivs. as histone  
deacetylase  
inhibitors, MHC class I mol. expression promoters, and  
anticancer  
agents)  
RN 291313-22-9 HCAPLUS  
CN Cyclo[3-cyclohexyl-D-alanyl-3-cyclohexyl-L-alanyl-(2S)-2-  
piperidinecarbonyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl]  
(9CI) (CA  
INDEX NAME)



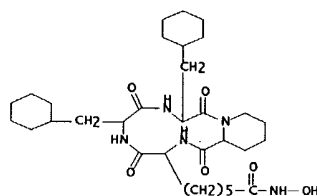
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ZA 2001008639 A 20030730 ZA 2001-8639  
20011019  
PRIORITY APPLN. INFO.: US 1999-298638 A  
19990423 WO 2000-US8389 W  
20000330  
IT 24181-12-2D, Fungisporin, antibody conjugates  
RL: BAC (Biological activity or effector, except adverse); BPR  
(Biological process); BSU (Biological study, unclassified); THU (Therapeutic  
use);  
BIOL (Biological study); PROC (Process); USES (Uses)  
(antibody conjugates for delivery of antimicrobial toxins)  
RN 24181-12-2 HCAPLUS  
CN Cyclo[3-cyclohexyl-D-alanyl-3-cyclohexyl-L-alanyl-D-valyl-L-valyl]  
(9CI) (CA  
INDEX NAME)



L6 ANSWER 19 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:628159 HCAPLUS Full-text  
DOCUMENT NUMBER: 133:223052  
TITLE: Preparation of novel cyclic tetrapeptide  
derivatives  
and use thereof as drugs  
INVENTOR(S): Nishino, Norikazu; Yoshida, Minoru;  
Horinouchi, Sueharu; Komatsu, Yasuhiko  
PATENT ASSIGNEE(S): Japan Energy Corporation, Japan  
SOURCE: PCT Int. Appl., 45 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
WO 2000052033	A1	20000908	WO 2000-JP1141
20000228 <-- W: AU, CA, NO, NZ, US, ZA RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,			

RN 291313-23-0 HCAPLUS  
CN Cyclo[3-cyclohexyl-D-alanyl-3-cyclohexyl-L-alanyl-(2R)-2-  
piperidinecarbonyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl]  
(9CI) (CA  
INDEX NAME)

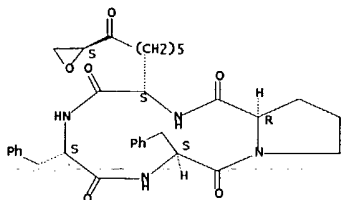


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE  
FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT

L6 ANSWER 20 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:288753 HCAPLUS Full-text  
DOCUMENT NUMBER: 133:164306  
TITLE: Cyclic tetrapeptide hydroxamic acids related  
to  
trapoxin B inhibit histone deacetylase  
AUTHOR(S): Nishino, Norikazu; Tomizaki, Kin-Ya; Mimoto,  
Tsutomu; Komatsu, Yasuhiko; Kim, Young Bae; Yoshida,  
Minoru  
CORPORATE SOURCE: Institute for Fundamental Research of  
Organic Chemistry, Kyushu University, Fukuoka, 812-  
8581, Japan  
SOURCE: Peptides 1998, Proceedings of the European  
Symposium, 25th, Budapest, Aug. 30-Sept. 4,  
1998 (1999), Meeting Date 1998, 832-833.  
Editor(s): Bajusz, Sandor; Hudecz, Ferenc. Akademiai  
Kiado:  
Budapest, Hung.  
CODEN: 68WKAY  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
IT 133155-90-SDP, Trapoxin B, analogs 221186-39-6P  
221186-42-1P 221186-43-2P 221186-56-7P

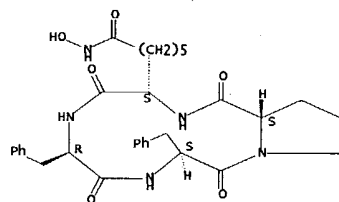
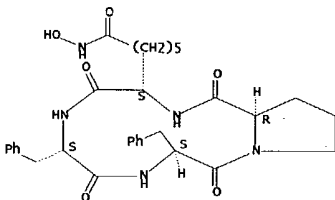
221186-58-9P 221186-59-0P  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological study, unclassified); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation)  
 (preparation of trapoxin B-related cyclic tetrapeptide  
 hydroxamic acids as  
 histone deacetylase inhibitors)  
 RN 133155-90-5 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



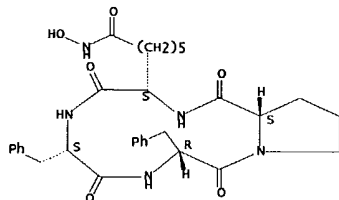
RN 221186-39-6 HCAPLUS  
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-  
 phenylalanyl-L-  
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221186-58-9 HCAPLUS  
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-  
 phenylalanyl-D-  
 phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

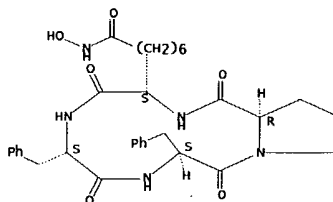


RN 221186-59-0 HCAPLUS  
 CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxyamino)-8-  
 oxooctanoyl-L-  
 phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

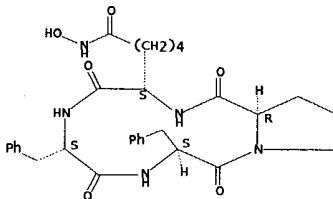
RN 221186-42-1 HCAPLUS  
 CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-  
 phenylalanyl-L-  
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



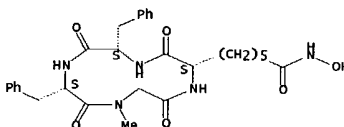
RN 221186-43-2 HCAPLUS  
 CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-  
 phenylalanyl-L-  
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



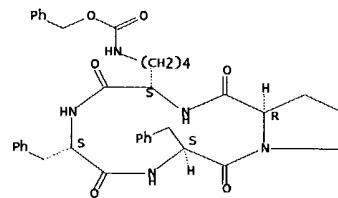
RN 221186-56-7 HCAPLUS  
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-  
 phenylalanyl-L-  
 phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 221187-02-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of trapoxin B-related cyclic tetrapeptide  
 hydroxamic acids as  
 histone deacetylase inhibitors)  
 RN 221187-02-6 HCAPLUS  
 CN Cyclo[N6-[[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-  
 phenylalanyl-D-  
 prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE  
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

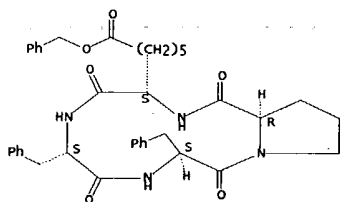
L6 ANSWER 21 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2000:288752 HCAPLUS Full-text  
 DOCUMENT NUMBER: 133:135601  
 TITLE: Synthesis of cyclic tetrapeptide hydroxamic  
 acids by the use of oxime resin  
 AUTHOR(S): Nishino, Norikazu; Tomizaki, Kin-ya;  
 Tsukamoto, Makiko; Urakawa, Toshihiro  
 CORPORATE SOURCE: Institute for Fundamental Research of  
 Organic Chemistry, Kyushu University, Fukuoka, 812-

8581, Japan  
SOURCE: Peptides 1998, Proceedings of the European Symposium, 25th, Budapest, Aug. 30-Sept. 4, 1998 (1999), Meeting Date 1998, 830-831.  
Editor(s): Bajusz, Sandor; Hudecz, Ferenc. Akademiai Kiado:  
Budapest, Hung.  
CODEN: 68WKAY  
Conference English

DOCUMENT TYPE: IT 221186-84-1P  
LANGUAGE: English  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(synthesis of cyclic tetrapeptide hydroxamic acids by use of oxime resin)

RN 221186-84-1 HCAPLUS  
CN cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

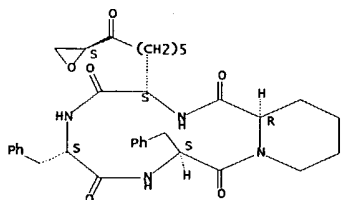
Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:278087 HCAPLUS Full-text  
DOCUMENT NUMBER: 132:290775  
TITLE: Promotion of self-renewal and improved gene transduction of hematopoietic stem cells by histone deacetylase inhibitors  
INVENTOR(S): Lavau, Catherine P.; Young, Judy Carol; Hill, Beth Louise

deacetylase inhibitors)  
RN 133155-89-2 HCAPLUS  
CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
Absolute stereochemistry.



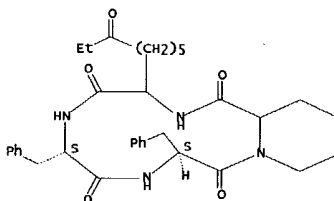
L6 ANSWER 23 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:117073 HCAPLUS Full-text  
DOCUMENT NUMBER: 132:161275  
TITLE: Cyclic tetrapeptide FR225497 from Helicoma, pharmaceutical composition, and use for inhibition of histone deacetylase and treatment of diseases  
INVENTOR(S): Mori, Hiroaki; Abe, Fumie; Yoshimura, Seiji; Takase, Shigehiro; Hino, Motohiro  
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan  
SOURCE: PCT Int. Appl., 21 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
WO 200008048	A2	20000217	WO 1999-JP4148
19990802 <--			
WO 200008048	A3	20020815	
W: BR, CA, CN, JP, KR, US			
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
PRIORITY APPLN. INFO.:		AU 1998-5057	A

PATENT ASSIGNEE(S): Novartis A.-G., Switz.: Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.  
SOURCE: PCT Int. Appl., 61 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
WO 2000023567	A2	20000427	WO 1999-EP7741
19991014 <--			
WO 2000023567	A3	20000727	
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2346152	AA	20000427	CA 1999-2346152
19991014 <--			
AU 9963393	A1	20000508	AU 1999-63393
19991014 <--			
EP 1129175	A2	20010905	EP 1999-950725
19991014 <--			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002527101	T2	20020827	JP 2000-577279
19991014			
PRIORITY APPLN. INFO.:			US 1998-173633 A
19981016			US 1999-132476P P
19990504			WO 1999-EP7741 W
19991014			
IT 133155-89-2, Trapoxin A			
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)			
(as histone deacetylase inhibitor; promotion of self-renewal and improved gene transduction of hematopoietic stem cells by histone			

19980804  
IT 258854-10-3P, FR 225497  
RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(cyclic tetrapeptide FR225497 from Helicoma, pharmaceutical composition, and use for inhibition of histone deacetylase and treatment of diseases)  
RN 258854-10-3 HCAPLUS  
CN cyclo(2-amino-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-2-piperidinecarbonyl) (9CI) (CA INDEX NAME)  
Absolute stereochemistry.  
Currently available stereo shown.



L6 ANSWER 24 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2000:98918 HCAPLUS Full-text  
DOCUMENT NUMBER: 132:148734  
TITLE: Method and device for high-throughput screening of molecules and compounds for their effects on biological and chemical processes  
INVENTOR(S): Stockwell, Brent R.; Schreiber, Stuart L.; Haggarty, Stephen J.; Mitchison, Timothy J.; Kapoor, Tarun M.; Mayer, Thomas  
PATENT ASSIGNEE(S): President and Fellows of Harvard College, USA  
SOURCE: PCT Int. Appl., 153 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:



PATENT NO.      KIND      DATE      APPLICATION NO.

DATE      -----      -----      -----

WO 2000007017      A2      20000210      WO 1999-US17046

19990727 <---      A3      20000504

WO 2000007017      A3      20000504

W: AU, CA, JP  
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

AU 9953223      A1      20000221      AU 1999-53223

19990727 <---      A1      20000221      AU 1999-53223

PRIORITY APPLN. INFO.:      US 1998-94305P      P

19980727      US 1999-131765P      P

19990430      US 1999-137039P      P

19990601      WO 1999-US17046      W

19990727

OTHER SOURCE(S):      MARPAT 132:148734

IT 133155-89-2, Trapoxin A

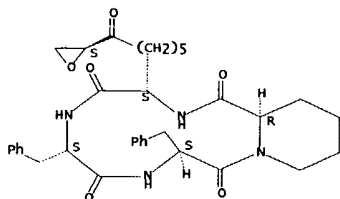
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(mink lung cell DNA synthesis inhibition by, cytotblot assay detection of; method and device for high-throughput screening of molts. and compds. for their effects on biol. and chemical processes)

RN 133155-89-2 HCAPLUS

CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 25 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:683498 HCAPLUS Full-text

DOCUMENT NUMBER: 132:196

TITLE: Inhibitors of histone deacetylase suppress the growth of MCF-7 breast cancer cells

AUTHOR(S): Manfred Schmidt, Kathrin; Gust, Ronald; Jung, Institut Pharmazie, Abteilung

CORPORATE SOURCE: Pharmazeutische Chemie, Freie Univ. Berlin, Berlin, D-14195, Germany

SOURCE: (1999) Archiv der Pharmazie (Weinheim, Germany)

PUBLISHER: ), 332(10), 353-357

DOCUMENT TYPE: CODEN: ARPMAS; ISSN: 0365-6233

LANGUAGE: Wiley-VCH Verlag GmbH

IT 133155-90-5P, Trapoxin B

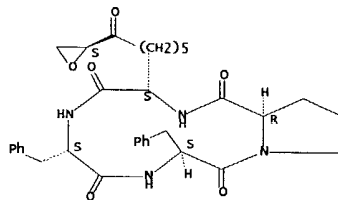
RL: BSU (Biological study, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation)

(preparation of analog inhibitor of histone deacetylase suppressing growth of breast cancer)

RN 133155-90-5 HCAPLUS

CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES

AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

L6 ANSWER 26 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:655736 HCAPLUS Full-text

DOCUMENT NUMBER: 132:131906

TITLE: Histone deacetylase inhibitors are the potent inducer/enhancer of differentiation in acute myeloid leukemia: a new approach to anti-leukemia therapy

AUTHOR(S): Kosugi, H.; Towatari, M.; Hatano, S.; Kitamura, K.; Kiyoi, H.; Kinoshita, T.; Tanimoto, M.; Kawashima, K.; Saito, H.; Naoe, T.

Murate, T.; First Department of Internal Medicine, University School of Medicine, Nagoya, 466-

CORPORATE SOURCE: Leukemia (1999), 13(9), 1316-1324

Nagoya      CODEN: LEUKED; ISSN: 0887-6924

8550, Japan      Stockton Press

SOURCE: Journal

PUBLISHER: English

DOCUMENT TYPE: IT 133155-89-2, Trapoxin A

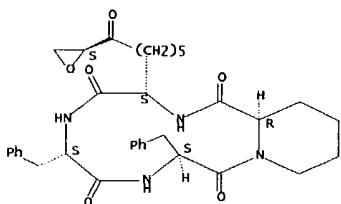
LANGUAGE: RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(histone deacetylase inhibitors are potent inducer/enhancer of differentiation in acute myeloid leukemia as anti-leukemia therapy in relation to gene expression and combination with other differentiation inducers)

RN 133155-89-2 HCAPLUS

CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES

AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

L6 ANSWER 27 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:578817 HCAPLUS Full-text

DOCUMENT NUMBER: 132:137693

TITLE: Synthesis of a cyclic tetrapeptide related to trapoxin

AUTHOR(S): B Nishino, N.; Tomizaki, K.-Y.; Komori, M.; K.; Komatsu, Y.; Mimoto, T.

CORPORATE SOURCE: Institute for Fundamental Research of Chemistry, Kyushu University, Fukuoka, 812-

Organic      Peptide Science: Present and Future,

8581, Japan      the International Peptide Symposium, 1st,

SOURCE: Proceedings of      30-Dec. 5, 1997 (1999), Meeting Date 1997,

Kyoto, Nov.      536-538. Editor(s): Shimonishi, Yasutsugu.

Kluwer: Dordrecht, Neth.

DOCUMENT TYPE: CODEN: 68BYAS

LANGUAGE: Conference

IT 133155-90-5, Trapoxin B

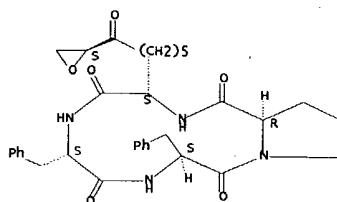
RL: MSC (Miscellaneous)

(synthesis of cyclic tetrapeptides related to trapoxin B and Cyl-1)

RN 133155-90-5 HCAPLUS

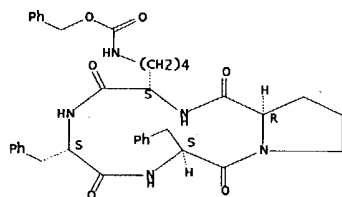
CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



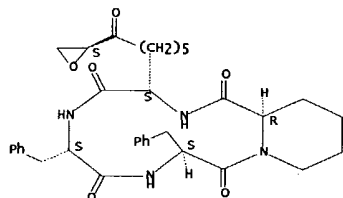
IT 221187-02-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (synthesis of cyclic tetrapeptides related to trapoxin B and  
 cyl-1)  
 RN 221187-02-6 HCAPLUS  
 CN Cyclo[N6-[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-  
 phenylalanyl-D-  
 prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



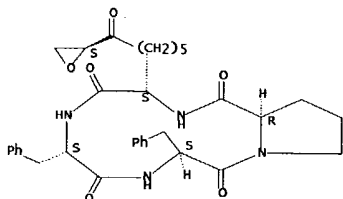
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE  
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 28 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1999:353258 HCAPLUS Full-text  
 DOCUMENT NUMBER: 131:130254  
 TITLE: Synthesis of cyclic tetrapeptides containing  
 non-natural imino acids  
 AUTHOR(S): Nishino, Hidekazu; Tomizaki, Kin-ya; Kato,  
 Tamaki; Nishino, Norikazu; Yoshida, Minoru; Komatsu,  
 Yasuhiko  
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of  
 Engineering, Kyushu Institute of Technology,  
 Kitakyushu, 804-8550, Japan  
 SOURCE: Peptide Science (1999), Volume Date 1998,  
 35th, 189-192  
 CODEN: PSCIFQ; ISSN: 1344-7661  
 PUBLISHER: Protein Research Foundation  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-89-2, Trapoxin A  
 RL: MSC (Miscellaneous)  
 (synthesis of imino acid-containing cyclic tetrapeptides as  
 inhibitors of  
 histone deacetylase)  
 RN 133155-89-2 HCAPLUS



RN 133155-90-5 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

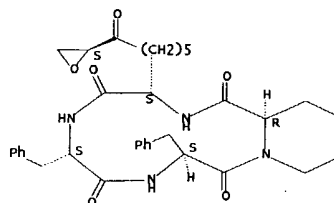


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE  
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 30 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1999:353256 HCAPLUS Full-text  
 DOCUMENT NUMBER: 131:130252  
 TITLE: Histone deacetylase inhibitors based on  
 trapoxin B  
 AUTHOR(S): Tomizaki, Kin-ya; Kato, Tamaki; Nishino,  
 Norikazu; Yoshida, Minoru; Komatsu, Yasuhiko  
 CORPORATE SOURCE: Department of Applied Chemistry Faculty of  
 Engineering, Kyushu Institute of Technology,

CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



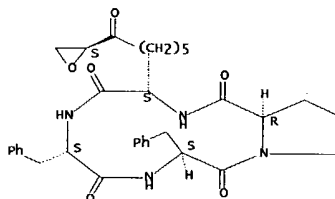
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE  
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 29 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1999:353257 HCAPLUS Full-text  
 DOCUMENT NUMBER: 131:130253  
 TITLE: Synthesis and activity of cyl-1 analogs  
 having  
 hydroxamic acid at side chain  
 AUTHOR(S): Tsukamoto, Makiko; Tomizaki, Kin-ya; Kato,  
 Tamaki; Nishino, Norikazu; Yoshida, Minoru; Komatsu,  
 Yasuhiko  
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of  
 Engineering, Kyushu Institute of Technology,  
 Kitakyushu, 804-8550, Japan  
 SOURCE: Peptide Science (1999), Volume Date 1998,  
 35th, 185-188  
 CODEN: PSCIFQ; ISSN: 1344-7661  
 PUBLISHER: Protein Research Foundation  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B  
 RL: MSC (Miscellaneous)  
 (synthesis of hydroxamic acid-containing cyl-1 analogs as  
 inhibitors of  
 histone deacetylase)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

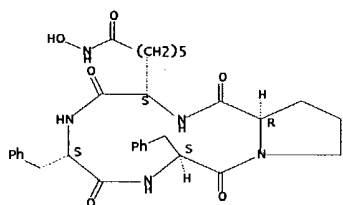
SOURCE: Kitakyushu, 804-8550, Japan  
 Peptide Science (1999), Volume Date 1998,  
 35th, 181-184  
 CODEN: PSCIFQ; ISSN: 1344-7661  
 PUBLISHER: Protein Research Foundation  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-90-5D, Trapoxin B, analogs contg. aminosuberic hydroxamic  
 acid derivative 221186-39-6 221186-42-1  
 221186-43-2 221186-56-7 221186-57-8  
 221186-58-9 221186-59-0 221186-62-5  
 234429-76-6  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological  
 study, unclassified); BIOL (Biological study)  
 (preparation of hydroxamic analogs of trapoxin B as  
 inhibitors of histone  
 deacetylase)  
 RN 133155-90-5 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



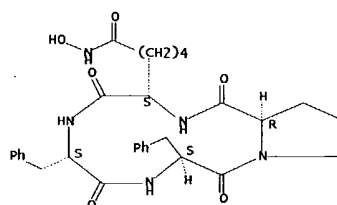
RN 221186-39-6 HCAPLUS  
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-  
 phenylalanyl-L-  
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



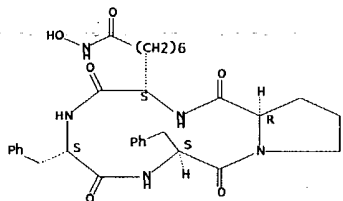
RN 221186-42-1 HCAPLUS  
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



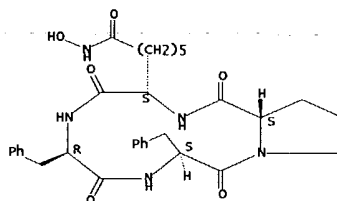
RN 221186-56-7 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



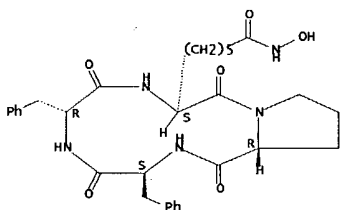
RN 221186-43-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



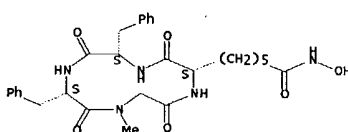
RN 221186-57-8 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-phenylalanyl-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



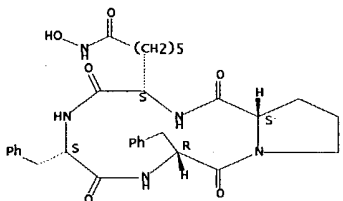
RN 221186-58-9 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



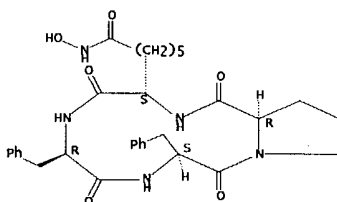
RN 221186-62-5 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



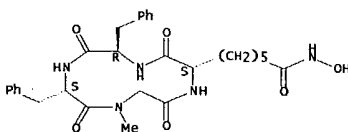
RN 221186-59-0 HCAPLUS  
CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 234429-76-6 HCAPLUS  
CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxymethyl)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

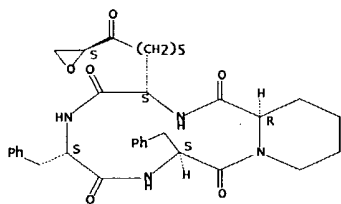


REFERENCE COUNT:  
AVAILABLE FOR THIS

14 THERE ARE 14 CITED REFERENCES

## RE FORMAT

L6 ANSWER 31 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1999:270685 HCAPLUS Full-text  
 DOCUMENT NUMBER: 131:98421  
 TITLE: Cooperation between phosphorylation and acetylation processes in transcriptional control  
 AUTHOR(S): Espinos, Estelle; Le Van Thai, Agathe; Pomies, Christelle; Weber, Michel J.  
 CORPORATE SOURCE: Laboratoire de Biologie Moléculaire  
 Eucaryote, CNRS  
 SOURCE: UPR 9006, Toulouse, 31062, Fr.  
 Molecular and Cellular Biology (1999), 19(5), 3474-3484  
 CODEN: MCEBD4; ISSN: 0270-7306  
 PUBLISHER: American Society for Microbiology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-89-2, Trapoxin A  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (transcriptional effects of histone deacetylase inhibitors are mediated through the activation of MEK1 and of an H7-sensitive protein kinase in addition to protein phosphatases)  
 RN 133155-89-2 HCAPLUS  
 CN cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.

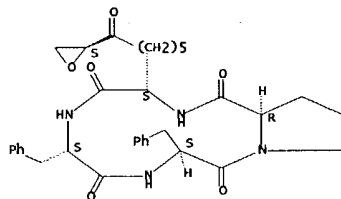


REFERENCE COUNT:  
 AVAILABLE FOR THIS

86

THERE ARE 86 CITED REFERENCES

RECORD. ALL CITATIONS AVAILABLE IN THE



L6 ANSWER 33 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1999:184270 HCAPLUS Full-text  
 DOCUMENT NUMBER: 130:237885  
 TITLE: Preparation of novel cyclic tetrapeptide derivatives  
 CLASS-1 as histone deacetylase inhibitors and MHC molecule expression promoters  
 INVENTOR(S): Nishino, Norikazu; Yoshida, Minoru; Horinouchi, Sueharu; Komatsu, Yasuhiko; Mimoto, Tsutomu  
 PATENT ASSIGNEE(S): Japan Energy Corporation, Japan  
 SOURCE: PCT Int. Appl., 97 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

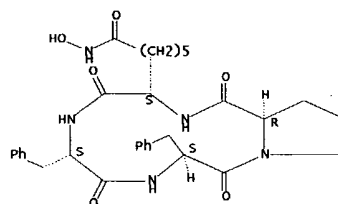
PATENT NO.	KIND	DATE	APPLICATION NO.
WO 9911659	A1	19990311	WO 1998-JP3893
19980901 <--			
W: AU, CA, JP, KR, NO, NZ, US			
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
CA 2302451	AA	19990311	CA 1998-2302451
19980901 <--			
AU 9888885	A1	19990322	AU 1998-88885
19980901 <--			
AU 732299	B2	20010412	
EP 1010705	A1	20000621	EP 1998-940649
19980901 <--			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			

## RE FORMAT

L6 ANSWER 32 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1999:254052 HCAPLUS Full-text  
 DOCUMENT NUMBER: 130:291581  
 TITLE: Synergistic drug combinations for therapy of tumors  
 INVENTOR(S): van der Bosch, Juergen; Rueller, Stephan; Schlaak, Max  
 PATENT ASSIGNEE(S): Forschungszentrum Borstel Zentrum fuer Medizin und Biowissenschaften, Germany  
 SOURCE: Ger. Offen., 20 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
DE 19744676	A1	19990415	DE 1997-19744676
19971010 <--			
EP 919244	A2	19990602	EP 1998-250357
19981009 <--			
EP 919244	A3	20000329	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRIORITY APPL. INFO.: 19971010			DE 1997-19744676
OTHER SOURCE(S): MARPAT 130:291581			
IT 133155-90-5, Trapoxin B			
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (synergistic drug combinations for therapy of tumors)			
RN 133155-90-5 HCAPLUS			
CN cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)			
Absolute stereochemistry.			

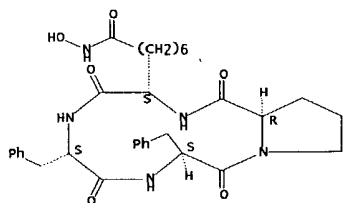
NZ 503061	A	20010831	NZ 1998-503061
19980901 <--			
JP 3494624	B2	20040209	JP 2000-508697
19980901			
ZA 9808023	A	19990302	ZA 1998-8023
19980902 <--			
NO 200001045	A	20000427	NO 2000-1045
20000301 <--			
US 6399568	B1	20020604	US 2000-486783
20000301			
PRIORITY APPL. INFO.: 19970902			JP 1997-237481 A
19980313			JP 1998-63270 A
			WO 1998-JP3893 W
19980901			
OTHER SOURCE(S): MARPAT 130:237885			
IT 221186-39-6P 221186-42-1P 221186-43-2P			
221186-50-1P 221186-51-2P 221186-56-7P			
221186-57-8P 221186-58-9P 221186-59-0P			
221186-62-5P			
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of novel cyclic tetrapeptide derivs. as histone deacetylase inhibitors and MHC class-I mol. expression promoters and anticancer agents)			
RN 221186-39-6 HCAPLUS			
CN cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)			
Absolute stereochemistry.			



RN 221186-42-1 HCAPLUS  
 CN cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-

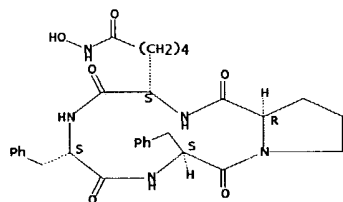
phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



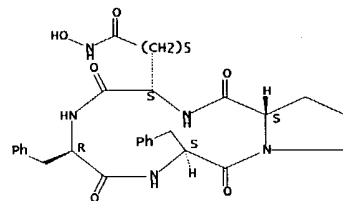
RN 221186-43-2 HCAPLUS  
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



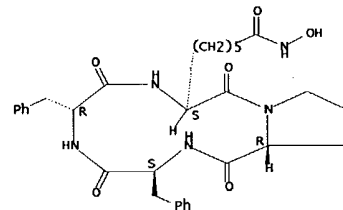
RN 221186-50-1 HCAPLUS  
CN Cyclo[(N6-acetyl-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl)] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



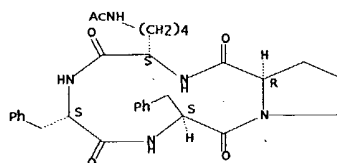
RN 221186-57-8 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-phenylalanyl-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



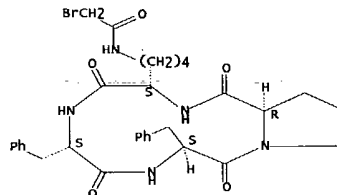
RN 221186-58-9 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



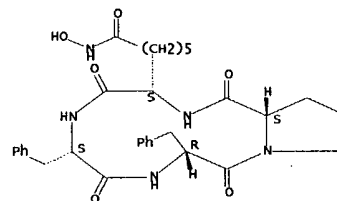
RN 221186-51-2 HCAPLUS  
CN Cyclo[N6-(bromoacetyl)-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



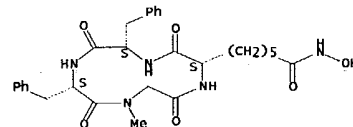
RN 221186-56-7 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



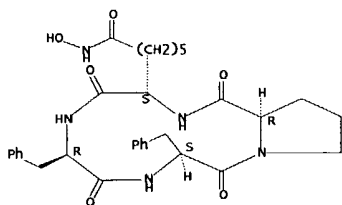
RN 221186-59-0 HCAPLUS  
CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221186-62-5 HCAPLUS  
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

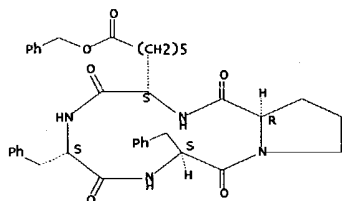
Absolute stereochemistry.



IT 221186-84-1P 221186-85-2P 221187-01-5P  
 221187-02-6P 221187-17-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP  
 (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of novel cyclic tetrapeptide derivs. as histone  
 deacetylase  
 inhibitors and MHC class-1 mol. expression promoters and  
 anticancer  
 agents)

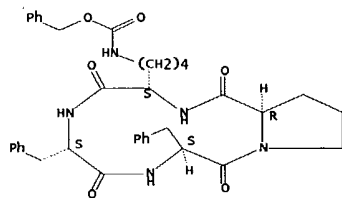
RN 221186-84-1 HCAPLUS  
 CN Cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-L-  
 phenylalanyl-L-  
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



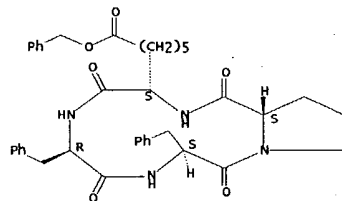
RN 221186-85-2 HCAPLUS  
 CN Cyclo[(2S)-2-amino-7-carboxyheptanoyl-L-phenylalanyl-L-  
 phenylalanyl-D-  
 prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



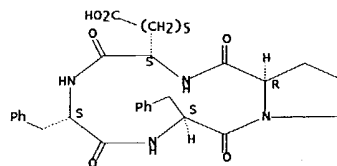
RN 221187-17-3 HCAPLUS  
 CN Cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-D-  
 phenylalanyl-L-  
 phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



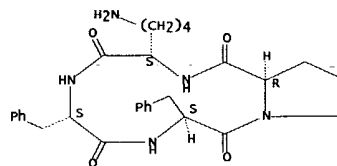
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE  
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 34 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1998:795489 HCAPLUS Full-text  
 DOCUMENT NUMBER: 130:81890  
 TITLE: Preparation of cyclic peptides and their  
 uses as  
 analgesics acting on  $\mu$ -opioid receptor  
 INVENTOR(S): Sasaki, Jun; Matsumura, Yasushi  
 PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKOXAF  
 DOCUMENT TYPE: Patent



RN 221187-01-5 HCAPLUS  
 CN Cyclo[L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl],  
 monohydrochloride  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



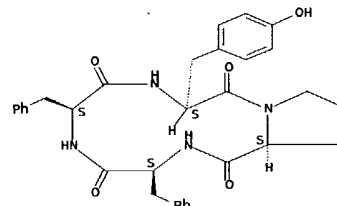
• HCl

RN 221187-02-6 HCAPLUS  
 CN Cyclo[N6-[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-  
 phenylalanyl-D-  
 prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:  
 DATE PATENT NO. KIND DATE APPLICATION NO.  
 JP 10330398 A2 19981215 JP 1997-138870  
 19970528 <--  
 PRIORITY APPLN. INFO.: JP 1997-138870  
 19970528  
 OTHER SOURCE(S): MARPAT 130:81890  
 IT 218967-79-4P  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological study, unclassified); IMF (Industrial manufacture); SPN  
 (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);  
 PREP (Preparation); USES (Uses)  
 (preparation of cyclic peptides resistant to enzymic  
 decomposition as  
 morphine-like analgesics)  
 RN 218967-79-4 HCAPLUS  
 CN Cyclo(L-phenylalanyl-L-phenylalanyl-L-tyrosyl-L-prolyl) (9CI)  
 (CA INDEX NAME)

Absolute stereochemistry.



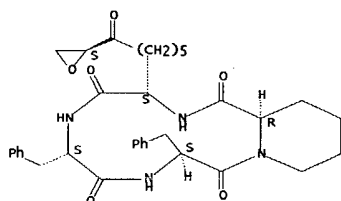
L6 ANSWER 35 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1998:235986 HCAPLUS Full-text  
 DOCUMENT NUMBER: 129:12363  
 TITLE: Depudecin induces morphological reversion of  
 transformed fibroblasts via the inhibition  
 of histone  
 deacetylase  
 AUTHOR(S): Kwon, Ho Jeong; Owa, Takashi; Hassig,

Christian A.;  
 CORPORATE SOURCE:  
 of  
 University,  
 SOURCE:  
 Sciences of the

Shimada, Junichi; Schreiber, Stuart L.  
 Howard Hughes Medical Institute, Department  
 Chemistry and Chemical Biology, Harvard  
 Cambridge, MA, 02138, USA  
 Proceedings of the National Academy of  
 United States of America (1998), 95(7),  
 3356-3361  
 CODEN: PNASA6; ISSN: 0027-8424  
 National Academy of Sciences  
 Journal  
 English

PUBLISHER:  
 DOCUMENT TYPE:  
 LANGUAGE:  
 IT 133155-89-2  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological  
 study, unclassified); BIOL (Biological study)  
 (comparison with; depudecin induces morphol. reversion of  
 transformed  
 fibroblasts via the inhibition of histone deacetylase)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

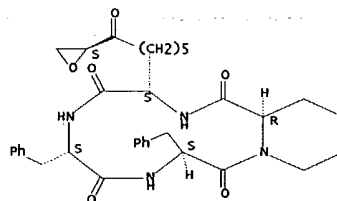
Absolute stereochemistry.



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES  
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 36 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1998:192372 HCAPLUS Full-text  
 DOCUMENT NUMBER: 128:239941  
 TITLE: Histone deacetylase and its inhibitors.  
 Trichostatin  
 and trapoxin as novel bioprobes for histone

acetylation  
 Yoshida, Minoru; Horinouchi, Sueharu  
 Grad. Sch. Agric. Life Sci., Univ. Tokyo,  
 Tokyo, 113,  
 SOURCE: Japan  
 Jikken Igaku (1998), 16(6), 781-785  
 CODEN: JIIGEF; ISSN: 0288-5514  
 PUBLISHER: Yodosha  
 DOCUMENT TYPE: Journal; General Review  
 LANGUAGE: Japanese  
 IT 133155-89-2, Trapoxin A  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological  
 study, unclassified); THU (Therapeutic use); BIOL (Biological  
 study); USES  
 (Uses)  
 (histone deacetylase and its inhibitors, trichostatin and  
 trapoxin, as  
 novel bioprobes for histone acetylation)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



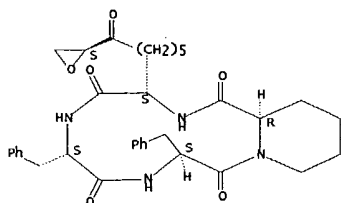
L6 ANSWER 37 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1998:180637 HCAPLUS Full-text  
 DOCUMENT NUMBER: 128:226265  
 TITLE: Use of histone deacetylase inhibitors for  
 treating  
 fibrosis or cirrhosis  
 INVENTOR(S): Geerts, Albert Emmanuel Corneille; Niki,  
 Toshiro  
 PATENT ASSIGNEE(S): Vrije Universiteit Brussel, Belg.  
 SOURCE: Eur. Pat. Appl., 6 pp.  
 CODEN: EPOXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

DATE	PATENT NO.	KIND	DATE	APPLICATION NO.
EP 827742	A1	19980311	EP 1996-202460	
19960904 <--	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
EP 827743	A1	19980311	EP 1997-202644	
19970829 <--	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
EP 827743	B1	20040616		
AT 269070	E	20040715	AT 1997-202644	
19970829	A2	19980506	JP 1997-239547	
JP 10114681				
19970904 <--				
PRIORITY APPLN. INFO.: 19960904			EP 1996-202460	A

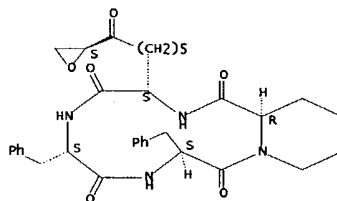
IT 133155-89-2, Trapoxin A 133155-89-2D, Magnesium  
 complexes 204780-21-2 204780-22-3 204780-23-4  
 204780-24-5 204780-25-6 204780-26-7  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological  
 study, unclassified); THU (Therapeutic use); BIOL (Biological  
 study); USES  
 (Uses)  
 (histone deacetylase inhibitors for treatment of fibrosis or  
 cirrhosis)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



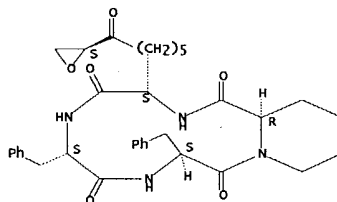
RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 204780-21-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl], monosodium salt (9CI)  
 (CA INDEX NAME)

Absolute stereochemistry.

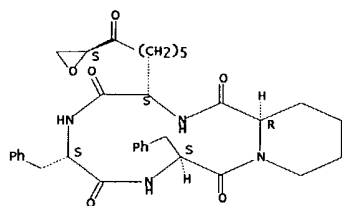


• Na

RN 204780-22-3 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl], monopotassium salt  
 (9CI) (CA INDEX NAME)

INDEX NAME)

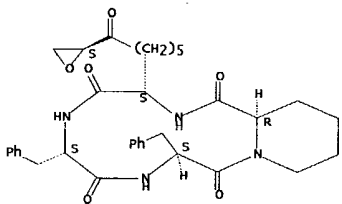
Absolute stereochemistry.



● K

RN 204780-23-4 HCAPLUS  
CN Cyclo[(α,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], calcium salt (2:1) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 1/2 Ca

RN 204780-24-5 HCAPLUS  
CN Cyclo[(α,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], monoammonium salt (9CI) (CA INDEX NAME)

CRN 121-44-8  
CMF C6 H15 N

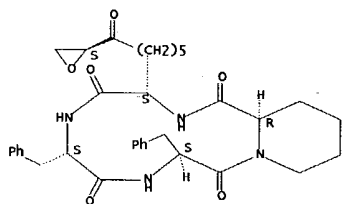
Et  
Et-N-Et

RN 204780-26-7 HCAPLUS  
CN Cyclo[(α,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], compd. with 2-aminoethanol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 133155-89-2  
CMF C34 H42 N4 O6

Absolute stereochemistry.



CM 2

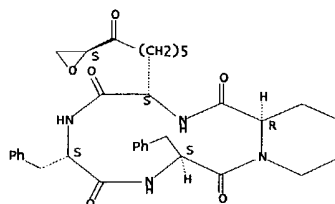
CRN 141-43-5  
CMF C2 H7 N O

H2N-CH2-CH2-OH

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

INDEX NAME)

Absolute stereochemistry.



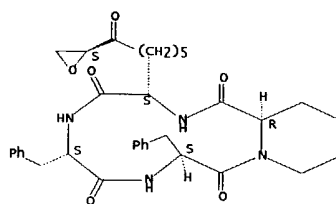
● NH3

RN 204780-25-6 HCAPLUS  
CN Cyclo[(α,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 133155-89-2  
CMF C34 H42 N4 O6

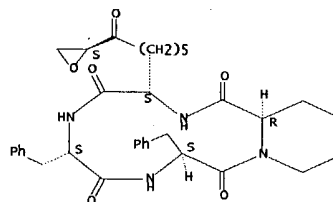
Absolute stereochemistry.



CM 2

L6 ANSWER 38 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1998:166323 HCAPLUS Full-text  
DOCUMENT NUMBER: 128:200453  
TITLE: Cell cycle inhibitors  
AUTHOR(S): Yoshida, Minoru  
CORPORATE SOURCE: Grad. Sch. Agrobiol., Univ. Tokyo, Japan  
SOURCE: Ketsueki, Men'eki, Shuyo (1996), 1(2), 184-191  
CODEN: KMSHF6; ISSN: 1341-5824  
MEDIKARU Rebyusha  
JOURNAL: General Review  
JAPANESE  
PUBLISHER:  
DOCUMENT TYPE:  
LANGUAGE:  
IT 133155-89-2, Trapoxin A  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (cell cycle inhibitors)  
RN 133155-89-2 HCAPLUS  
CN cyclo[(α,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

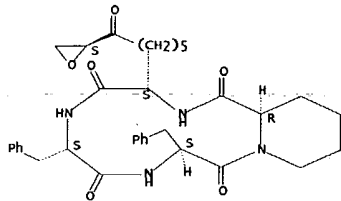


L6 ANSWER 39 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1998:113059 HCAPLUS Full-text  
DOCUMENT NUMBER: 128:229076  
TITLE: Modulation of galectin-1 content in human  
neck squamous carcinoma cells by sodium  
butyrate  
AUTHOR(S): Gilletwater, Ann; Xu, Xiao-Chun; Estrov, Peter G.; Lotan, Dafna; Lotan, Reuben  
CORPORATE SOURCE: Department of Tumor Biology, University of Texas M.D. Anderson Cancer Center, Houston, TX, 77030



USA  
SOURCE: International Journal of Cancer (1998),  
75(2), 217-224  
CODEN: IJCNW; ISSN: 0020-7136  
PUBLISHER: Wiley-Liss, Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133155-89-2, Trapoxin a  
RL: BAC (Biological activity or effector, except adverse); BSU  
(Biological study, unclassified); BIOL (Biological study)  
(butyrate modulation of galectin-1 in human head and neck  
squamous carcinoma cells)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

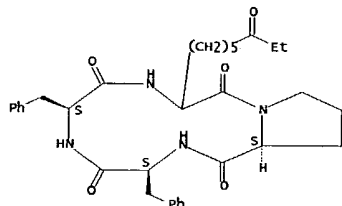
Absolute stereochemistry.



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES  
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT

L6 ANSWER 40 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1997:746618 HCAPLUS Full-text  
DOCUMENT NUMBER: 127:341784  
TITLE: Cyclic tetrapeptides having antiprotozoal  
activity  
INVENTOR(S): Meinke, Peter T.; Rattray, Sandra J.;  
Schmatz, Dennis

PATENT ASSIGNEE(S): Merck and Co., Inc., USA  
SOURCE: Brit. UK Pat. Appl., 27 pp.  
CODEN: BAXXDU  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1



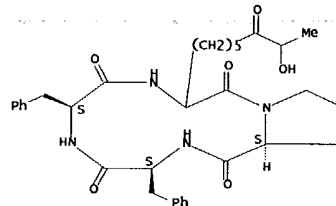
L6 ANSWER 41 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1997:650463 HCAPLUS Full-text  
DOCUMENT NUMBER: 127:315587  
TITLE: Human histone deacetylase genes and their  
protein interactions and uses for the inhibition of  
cellular proliferation and drug screening  
INVENTOR(S): Schreiber, Stuart L.; Taunton, Jack; Hassig,  
Christian  
PATENT ASSIGNEE(S): A.; Jamison, Timothy F.  
USA; President and Fellows of Harvard College,  
Christian Schreiber, Stuart L.; Taunton, Jack; Hassig,  
A.; Jamison, Timothy F.  
SOURCE: PCT Int. Appl., 159 pp.  
CODEN: PIXX02  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1

PATENT NO. KIND DATE APPLICATION NO.  
DATE  
WO 9735990 A2 19971002 WO 1997-US5275  
19970326 <--  
WO 9735990 A3 19980326  
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU,  
CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US,  
UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

#### PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO.  
DATE  
GB 2309696 A1 19970806 GB 1997-1197  
19970121 <--  
GB 2309696 B2 20000223  
US 5922837 A 19990713 US 1997-789347  
19970127 <--  
PRIORITY APPLN. INFO.: US 1996-10931P P  
19960131 GB 1996-18301 A  
19960902  
OTHER SOURCE(S): MARPAT 127:341784  
IT 198198-79-7 198198-80-0  
RL: THU (Therapeutic use); BIOL (Biological study); uses (Uses)  
(cyclic tetrapeptides having antiprotozoal activity)  
RN 198198-79-7 HCAPLUS  
CN Cyclo(2-amino-9-hydroxy-8-oxodecanoyl-L-prolyl-L-phenylalanyl-L-phenylalanyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

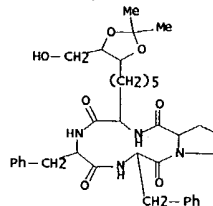


RN 198198-80-0 HCAPLUS  
CN Cyclo(2-amino-8-oxodecanoyl-L-prolyl-L-phenylalanyl-L-phenylalanyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

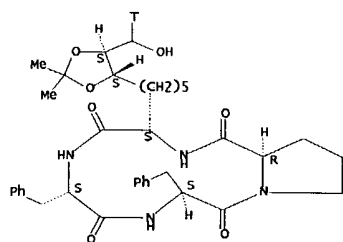
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FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,  
GA, GN, ML, MR, NE, SN, TD, TG  
US 6777217 B1 20040817 US 1996-624735  
19960326 AU 9729905 A1 19971017 AU 1997-29905  
19970326 <--  
PRIORITY APPLN. INFO.: US 1996-624735 A  
19960326 WO 1997-US5275 W

OTHER SOURCE(S): MARPAT 127:315587  
IT 183609-81-6P 197631-11-1P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP  
(Preparation); RACT  
(Reactant or reagent)  
(chemical synthesis of tritylated trapoxin; human histone  
deacetylase genes and their protein interactions and uses for the  
inhibition of cellular proliferation and drug screening)  
RN 183609-81-6 HCAPLUS  
CN Cyclo[( $\alpha$ S,4S,5S)- $\alpha$ -amino-5-(hydroxymethyl)-2,2-dimethyl-1,3-  
dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl]  
(9CI) (CA INDEX NAME)



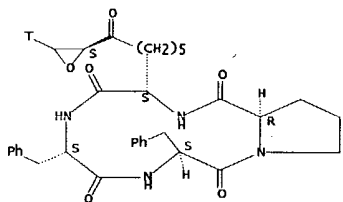
RN 197631-11-1 HCAPLUS  
CN Cyclo[( $\alpha$ S,4S,5S)- $\alpha$ -amino-5-(hydroxymethyl)-2,2-dimethyl-1,3-  
dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl]  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



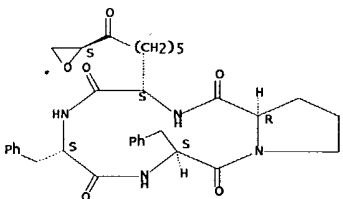
IT 183609-51-OP  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (chemical synthesis of tritylated trapoxin; human histone  
 deacetylase  
 genes and their protein interactions and uses for the  
 inhibition of  
 cellular proliferation and drug screening)  
 RN 183609-51-0 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 133155-90-5D, Trapoxin B, analogs  
 RL: BPR (Biological process); BSU (Biological study,  
 unclassified); BIOL (Biological study); PROC (Process)  
 (human histone deacetylase genes and their protein  
 interactions and  
 uses for the inhibition of cellular proliferation and drug

Absolute stereochemistry.



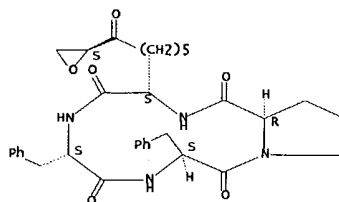
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES  
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

L6 ANSWER 43 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1997:342361 HCAPLUS Full-text  
 DOCUMENT NUMBER: 126:312246  
 TITLE: Histone deacetylase as target for  
 antiproteoal agents, and antiproteoal compound  
 identification method  
 INVENTOR(S): Dulski, Paula M.; Gurnett, Anne M.; Myers,  
 Robert W.; Rattray, Sandra J.; Schmatz, Dennis M.  
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA; Dulski, Paula M.;  
 Gurnett, Anne M.; Myers, Robert W.; Rattray, Sandra  
 J.; Schmatz, Dennis M.  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
WO 9711366	A1	19970327	WO 1996-US14826
19960916 <--			
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE,			
GE, HU,			
IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK,			
MN, MX,			

screening)  
 RN 133155-90-5 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

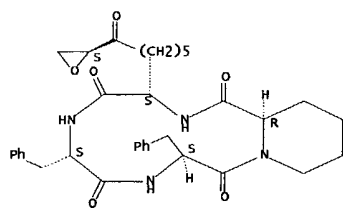
Absolute stereochemistry.



L6 ANSWER 42 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1997:468977 HCAPLUS Full-text  
 DOCUMENT NUMBER: 127:162081  
 TITLE: Analogs of trichostatin A and trapoxin B as  
 histone deacetylase inhibitors  
 AUTHOR(S): Jung, Manfred; Hoffmann, Katharina; Brosch,  
 Gerald; Loidl, Peter  
 CORPORATE SOURCE: Department of Pharmaceutical Chemistry,  
 University of Munster, Munster, 48149, Germany  
 SOURCE: Bioorganic & Medicinal Chemistry Letters  
 (1997), 7(13), 1655-1658  
 CODEN: BMCL8; ISSN: 0960-894X  
 PUBLISHER: Elsevier  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-90-5DP, Trapoxin B, analogs  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological study, unclassified); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation)  
 (preparation of trichostatin A and trapoxin B analogs as  
 histone deacetylase inhibitors)  
 RN 133155-90-5 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US,  
 UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR,  
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,  
 GN, ML, MR, NE, SN, TD, TG  
 CA 2231251 AA 19970327 CA 1996-2231251  
 19960916 <-- AU 9669790 A1 19970409 AU 1996-69790  
 19960916 <-- AU 712801 B2 19991118  
 EP 855024 A1 19980729 EP 1996-930894  
 19960916 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 PT, IE, FI JP 11514857 T2 19991221 JP 1996-512810  
 19960916 <-- US 6428983 B1 20020806 US 1999-296834  
 19990422 PRIORITY APPLN. INFO.: US 1995-4065P P  
 19950920 GB 1996-2974 A  
 19960213 WO 1996-US14826 W  
 19960916 US 1996-716978 A3  
 19960920  
 IT 133155-89-2  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological  
 study); USES  
 (histone deacetylase as target for antiproteoal agents, and  
 antiproteoal compound identification method)  
 RN 133155-89-2 HCAPLUS  
 CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

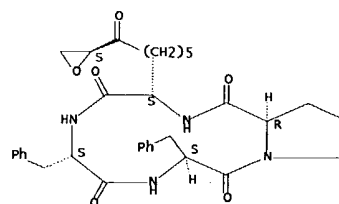
Absolute stereochemistry.



L6 ANSWER 44 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1997:235308 HCAPLUS Full-text  
 DOCUMENT NUMBER: 126:327169  
 TITLE: Natural born epoxides: synthetic and biological  
 AUTHOR(S): studies of dynemicin A and trapoxin B  
 Taunton, Jack  
 CORPORATE SOURCE: Harvard Univ., Cambridge, MA, USA  
 SOURCE: (1996) 163 pp. Avail.: Univ. Microfilms Int., Order No: DA9710482  
 From: Diss. Abstr. Int., B 1997, 57(10),

6245  
 DOCUMENT TYPE: Dissertation  
 LANGUAGE: English  
 IT 133155-90-5P, Trapoxin B  
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);  
 BIOL (Biological study); PREP (Preparation)  
 (synthetic and biol. studies of epoxides dynemicin A and trapoxin B)  
 RN 133155-90-5 HCAPLUS  
 CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

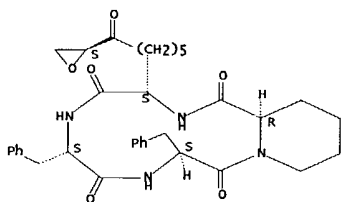
Absolute stereochemistry.



L6 ANSWER 45 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1996:701123 HCAPLUS Full-text  
 DOCUMENT NUMBER: 125:339025  
 TITLE: Metallothionein formation inducers for alleviation of adverse effects of anticancer agents  
 INVENTOR(S): Naganuma, Akira; Imura, Nobumasa; Koyama, Masao;  
 Yoshida, Shigemi  
 PATENT ASSIGNEE(S): Meiji Seika Co, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKOXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
JP 08239326	A2	19960917	JP 1995-44535
19950303 <--			
PRIORITY APPLN. INFO.:			JP 1995-44535
19950303			
OTHER SOURCE(S):		MARPAT 125:339025	
IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B			
RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (uses) (cyclic peptides as metallothionein formation inducers for alleviation of side effects of anticancer agents)			
RN 133155-89-2 HCAPLUS			
CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)			

Absolute stereochemistry.

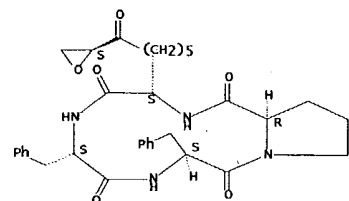


SOURCE: Journal of the American Chemical Society  
 (1996)  
 ), 118(43), 10412-10422  
 CODEN: JACSAT; ISSN: 0002-7863  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 183609-96-3P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of natural and modified trapoxins as useful reagents for exploring histone deacetylase function)  
 RN 183609-96-3 HCAPLUS  
 CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-3,5-di(iodo-125I)-L-tyrosyl-D-prolyl] (9CI) (CA INDEX NAME)

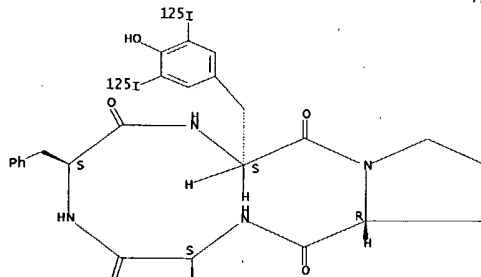
Absolute stereochemistry.

RN 133155-90-5 HCAPLUS  
 CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

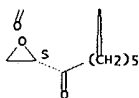
Absolute stereochemistry.



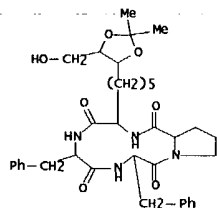
L6 ANSWER 46 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1996:616695 HCAPLUS Full-text  
 DOCUMENT NUMBER: 126:8585  
 TITLE: Synthesis of Natural and Modified Trapoxins, Useful  
 Function: Reagents for Exploring Histone Deacetylase  
 AUTHOR(S): Taunton, Jack; Collins, Jon L.; Schreiber, Stuart L.  
 CORPORATE SOURCE: Howard Hughes Medical Institute, Harvard University,  
 Cambridge, MA, 02138, USA



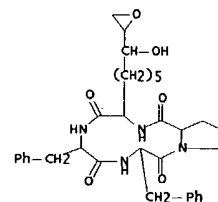
PAGE 1-A



IT 183609-81-6P 183609-83-8P 183609-95-2P  
 183610-00-6P 183610-01-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP  
 (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of natural and modified trapoxins as useful  
 reagents for  
 exploring histone deacetylase function)  
 RN 183609-81-6 HCAPLUS  
 CN Cyclo[(αS,4S,5S)-α-amino-5-(hydroxymethyl)-2,2-dimethyl-1,3-  
 dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl]  
 (9CI) (CA  
 INDEX NAME)

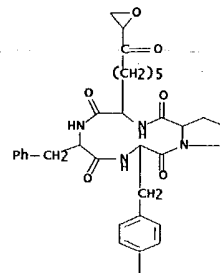


RN 183609-83-8 HCAPLUS  
 CN Cyclo[(αS,ηS,2S)-α-amino-η-hydroxyoxiraneoctanoyl-L-  
 phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

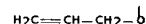


RN 183609-95-2 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-  
 0-2-propenyl-L-tyrosyl-D-prolyl] (9CI) (CA INDEX NAME)

PAGE 1-A

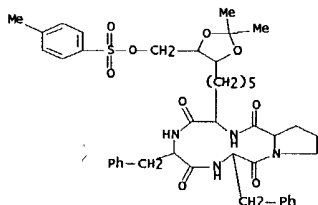


PAGE 2-A



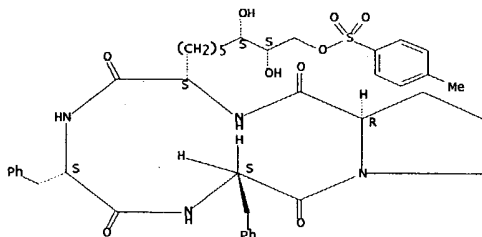
RN 183610-00-6 HCAPLUS  
 CN Cyclo[(αS,4S,5S)-α-amino-2,2-dimethyl-5-[[[(4-

methylphenyl)sulfonyl]oxy)methyl]-1,3-dioxolane-4-heptanoyl-L-  
 phenylalanyl-  
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)



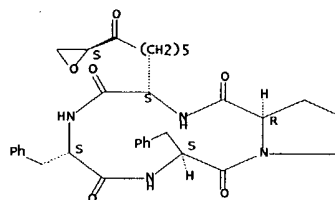
RN 183610-01-7 HCAPLUS  
 CN Cyclo[(2S,8S,9S)-2-amino-8,9-dihydroxy-10-[[[(4-  
 methylphenyl)sulfonyl]oxy]decanoyl-L-phenylalanyl-L-  
 phenylalanyl-D-prolyl]  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



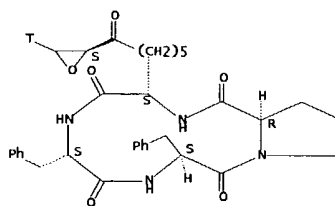
IT 133155-90-5P 183609-51-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of natural and modified trapoxins as useful  
 reagents for  
 exploring histone deacetylase function)  
 RN 133155-90-5 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-

L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



RN 183609-51-0 HCAPLUS  
 CN Cyclo[(αS,2S)-α-amino-η-oxooxirane-3-t-octanoyl-L-  
 phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

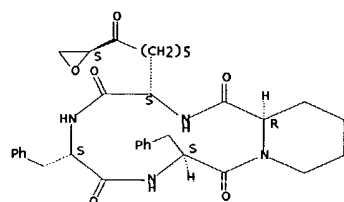
Absolute stereochemistry.



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES  
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE  
 RE FORMAT

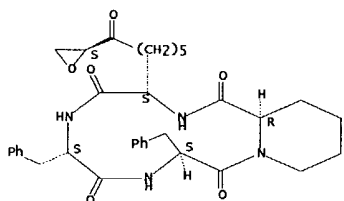
L6 ANSWER 47 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1996:361850 HCAPLUS Full-text  
 DOCUMENT NUMBER: 125:50622  
 TITLE: Histone hyperacetylating agents stimulate  
 promoter activity of human choline acetyltransferase  
 gene in

AUTHOR(S): transfection experiments  
Stephane; Chireux, Maxime; Espinos, Estelle; Bloch, Yoshida, Minoru; Weber, Michel J.  
CORPORATE SOURCE: Laboratoire de Biologie Moléculaire  
Eucaryote, Centre National de la Recherche Scientifique, 118  
route de Narbonne, Toulouse, 31062, Fr.  
SOURCE: Molecular Brain Research (1996), 39(1,2), 68-78  
CODEN: MBREE4; ISSN: 0169-328X  
Elsevier  
PUBLISHER: Journal  
DOCUMENT TYPE: English  
IT 133155-89-2, Trapoxin A  
RL: BUU (Biological use, unclassified); BIOL (Biological study);  
USES (uses)  
(histone hyperacetylating agents stimulate promoter activity of human choline acetyltransferase gene in transfection expts.)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
Absolute stereochemistry.



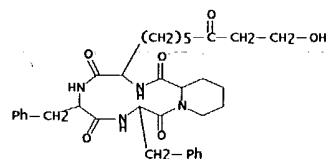
L6 ANSWER 48 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1996:333444 HCAPLUS [Full-text](#)  
DOCUMENT NUMBER: 125:27512  
TITLE: The expression of a small fraction of  
cellular genes is changed in response to histone  
hyperacetylation  
AUTHOR(S): Van Lint, Carine; Emiliani, Stephane;  
Verdin, Eric  
CORPORATE SOURCE: Laboratory of Molecular virology, Picower

IT 133155-89-2  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(a mammalian histone deacetylase related to yeast transcriptional regulator Rpd3p)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
Absolute stereochemistry.



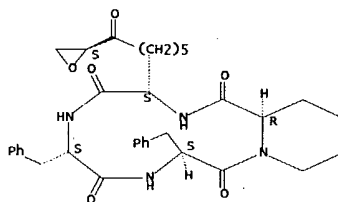
L6 ANSWER 50 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1995:683847 HCAPLUS [Full-text](#)  
DOCUMENT NUMBER: 123:106826  
TITLE: Trichostatin A and trapoxin: Novel chemical probes for  
the role of histone acetylation in chromatin structure and function  
AUTHOR(S): Yoshida, Minoru; Horinouchi, Sueharu; Beppu, Teruhiko  
CORPORATE SOURCE: Department Biotechnology, University Tokyo, Bunkyo, 113, Japan  
SOURCE: BioEssays (1995), 17(5), 423-30  
CODEN: BIOEEJ; ISSN: 0265-9247  
PUBLISHER: Company of Biologists  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
IT 133155-89-2, Trapoxin A  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(trichostatin A and trapoxin are chemical probes for the role of histone acetylation in chromatin structure and function)  
RN 133155-89-2 HCAPLUS

Institute for Medical Research, Manhasset, NY, 11030,  
USA  
SOURCE: Gene Expression (1996), 5(4/5), 245-253  
CODEN: GEEXEJ; ISSN: 1052-2166  
PUBLISHER: Cognizant Communication Corp.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133213-82-8  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(two new specific inhibitors of histone deacetylase, trichostatin A (TSA) and trapoxin (TPX), were used to probe the effect of histone hyperacetylation on gene expression)  
RN 133213-82-8 HCAPLUS  
CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

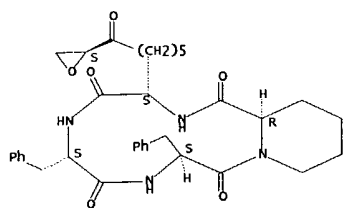


L6 ANSWER 49 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1996:243301 HCAPLUS [Full-text](#)  
DOCUMENT NUMBER: 124:309108  
TITLE: A mammalian histone deacetylase related to the yeast transcriptional regulator Rpd3p  
AUTHOR(S): Taunton, Jack; Hassig, Christian A.; Schreiber, Stuart  
CORPORATE SOURCE: L. Howard Hughes Med. Inst., Harvard Univ., Cambridge, MA, 02138, USA  
SOURCE: Science (Washington, D. C.) (1996), 272(5260), 408-11  
CODEN: SCIEAS; ISSN: 0036-8075  
PUBLISHER: American Association for the Advancement of Science  
DOCUMENT TYPE: Journal  
LANGUAGE: English

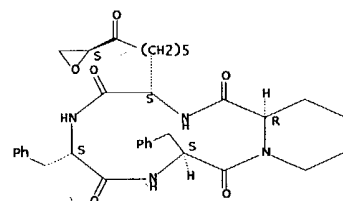
CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
Absolute stereochemistry.



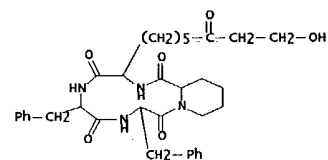
L6 ANSWER 51 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1995:322995 HCAPLUS [Full-text](#)  
DOCUMENT NUMBER: 122:103364  
TITLE: Cell cycle inhibitors  
AUTHOR(S): Yoshida, Minoru  
CORPORATE SOURCE: Agric. Coll., Tokyo Univ., Tokyo, Japan  
SOURCE: Medical Immunology (1994), 28(2), 297-307  
CODEN: MEIME4; ISSN: 0910-3740  
PUBLISHER: Kokusai Isho Shuppan  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: Japanese  
IT 133155-89-2D, Trapoxin A, analogs  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(cell cycle process or checkpoint inhibitors)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
Absolute stereochemistry.



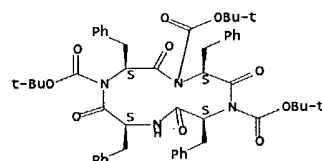
L6 ANSWER 52 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1994:164873 HCAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 120:164873  
 TITLE: HOW to perform small peptide cyclizations  
 AUTHOR(S): Cavellier-Frontin, Florine; Achmad, Sadijah; Verducci,  
 CORPORATE SOURCE: Jean; Jacquier, Robert; Pepe, Gerard  
 universite URA-CNRS 468 Aminoacides et peptides,  
 Montpellier, Montpellier II, Place Eugene Bataillon,  
 34095/OS, Fr.  
 SOURCE: THEOCHEM (1993), 105(1-3), 125-30  
 CODEN: THEODJ; ISSN: 0166-1280  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 153586-85-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cyclization of, effect of temporary protection on  
 conformations for)  
 RN 153586-85-7 HCAPLUS  
 CN cyclo[L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-  
 phenylalanyl-N-  
 [(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl-N-[(1,1-  
 dimethylethoxy)carbonyl]-L-phenylalanyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



IT 133213-82-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of and histone deacetylase response to)  
 RN 133213-82-8 HCAPLUS  
 CN cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-  
 phenylalanyl-  
 (2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

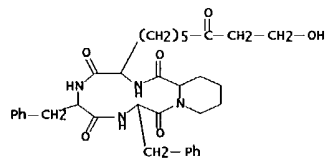


L6 ANSWER 54 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1992:439924 HCAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 117:39924  
 TITLE: A novel tetracyclic peptide, trapoxin,  
 induces phenotypic change from transformed to normal  
 in sis-oncogene-transformed NIH3T3 cells  
 AUTHOR(S): Yoshida, Hiroshi; Sugita, Kenji  
 CORPORATE SOURCE: Dep. Microbiol., Shionogi and Co. Ltd.,  
 Osaka, 553, Japan  
 SOURCE: Japanese Journal of Cancer Research (1992),  
 83(4), 324-8  
 CODEN: JJCREP; ISSN: 0910-5050  
 DOCUMENT TYPE: Journal

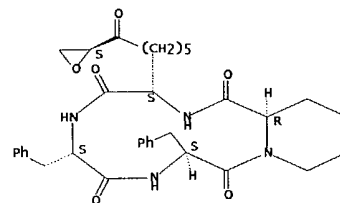


L6 ANSWER 53 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1993:573718 HCAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 119:173718  
 TITLE: Trapoxin, an antitumor cyclic tetrapeptide,  
 is an irreversible inhibitor of mammalian histone  
 deacetylase  
 AUTHOR(S): Kijima, Masako; Yoshida, Minoru; Sugita,  
 Kenji;  
 CORPORATE SOURCE: Horinouchi, Sueharu; Beppu, Teruhiko  
 SOURCE: Fac. Agric., Univ. Tokyo, Tokyo, 113, Japan  
 Journal of Biological Chemistry (1993),  
 268(30), 22429-35  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 133155-89-2  
 RL: BIOL (Biological study)  
 (histone deacetylase inhibition by, cell division and  
 differentiation  
 in relation to)  
 RN 133155-89-2 HCAPLUS  
 CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.

LANGUAGE: English  
 IT 133213-82-8  
 RL: BIOL (Biological study)  
 (neoplastic and transformation of NIH3T3 cells response to,  
 structure  
 in relation to)  
 RN 133213-82-8 HCAPLUS  
 CN cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-  
 phenylalanyl-  
 (2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)



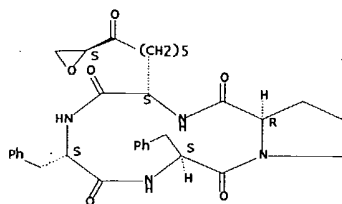
IT 133155-89-2 133155-90-5  
 RL: BIOL (Biological study)  
 (phenotypic change from transformed to normal in sis  
 oncogene-transformed NIH3T3 cells induction by, structure in  
 relation  
 to)  
 RN 133155-89-2 HCAPLUS  
 CN cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-  
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
 Absolute stereochemistry.



RN 133155-90-5 HCAPLUS

CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 55 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1991:512813 HCAPLUS Full-text  
DOCUMENT NUMBER: 115:112813  
TITLE: Cyclic tetrapeptides having detransforming activity

INVENTOR(S): Sugita, Kenji; Itazaki, Hiroshi; Matsumoto, Koichi;

PATENT ASSIGNEE(S): Kawamura, Yoshimi  
SOURCE: Shionogi and Co., Ltd., Japan  
Eur. Pat. Appl., 20 pp.

DOCUMENT TYPE: Patent  
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT NO.	KIND	DATE	APPLICATION NO.
EP 406725	A1	19910109	EP 1990-112472
19900629 <--			
EP 406725	B1	19940316	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE			
JP 03034991	A2	19910214	JP 1989-170930
19890630 <--			
US 5112944	A	19920512	US 1990-536764
19900612 <--			
AT 102955	E	19940415	AT 1990-112472
19900629 <--			
ES 2053018	T3	19940716	ES 1990-112472
19900629 <--			

PRIORITY APPLN. INFO.:  
19890630

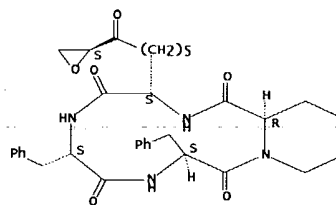
JP 1989-170930 A  
EP 1990-112472 A

19900629

OTHER SOURCE(S): MARPAT 115:112813  
IT 133155-89-2P, RF 1023A 133155-90-5P, RF 1023B  
RL: BMF (Bioindustrial manufacture); BIOL (Biological study);  
PREP

(Preparation)  
(manufacture of, with Helicoma ambiens, as oncogenic transformation and cell growth inhibitor)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

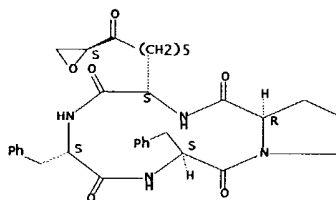
Absolute stereochemistry.



RN 133155-90-5 HCAPLUS

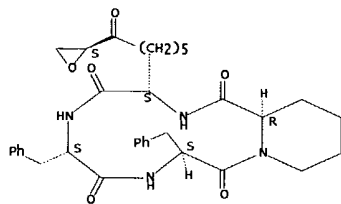
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 56 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1991:492943 HCAPLUS Full-text  
DOCUMENT NUMBER: 115:92943  
TITLE: Structure of a new cyclotetrapeptide  
Trapoxin A  
AUTHOR(S): Nakai, Hiroshi; Nagashima, Kazuo; Itazaki, Hiroshi  
CORPORATE SOURCE: Shionogi Res. Lab., Shionogi and Co., Ltd., Osaka,  
553, Japan  
SOURCE: Acta Crystallographica, Section C: Crystal Communications (1991), C47(7), 1496-9  
CODEN: ACSCCE; ISSN: 0108-2701  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133155-89-2, Trapoxin A  
RL: PRP (Properties) (Crystal and mol. structure of)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

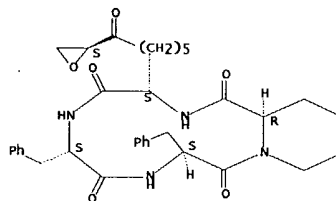
Absolute stereochemistry.



L6 ANSWER 57 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1991:159294 HCAPLUS Full-text  
DOCUMENT NUMBER: 114:159294  
TITLE: Isolation and structural elucidation of new cyclotetrapeptides, trapoxins A and B,  
having detransformation activities as antitumor agents  
AUTHOR(S): Itazaki, Hiroshi; Nagashima, Kazuo; Sugita, Kenji;

Yukio;  
Nobuo; et al.  
CORPORATE SOURCE: Shionogi Res. Lab., Shionogi and Co., Ltd., Osaka,  
553, Japan  
SOURCE: Journal of Antibiotics (1990), 43(12), 1524-32  
CODEN: JANTAJ; ISSN: 0021-8820  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 133155-89-2P, 133155-90-5P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation) (isolation and properties and antitumor activity of, of Helicoma ambiens)  
RN 133155-89-2 HCAPLUS  
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 133155-90-5 HCAPLUS

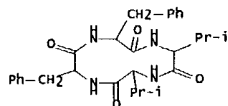
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

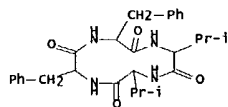
L6 ANSWER 62 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 190:97263 HCAPLUS Full-text  
DOCUMENT NUMBER: 54:97263  
ORIGINAL REFERENCE NO.: 54:18379g-h  
TITLE: Fungisporin. III. The structure of  
fungisporin  
AUTHOR(S): Miyao, Kohei  
CORPORATE SOURCE: Univ. Tokyo  
SOURCE: Bulletin of the Agricultural Chemical  
Society of Japan  
  
(1960), 24, 23-30  
CODEN: BACOAQ; ISSN: 0375-8397  
DOCUMENT TYPE: Journal



LANGUAGE: unavailable  
IT 24181-12-2, Fungisporin  
(structure of)  
RN 24181-12-2 HCAPLUS  
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA  
INDEX  
NAME)

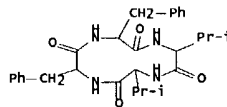


L6 ANSWER 63 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1956:90024 HCAPLUS Full-text  
DOCUMENT NUMBER: 50:90024  
ORIGINAL REFERENCE NO.: 50:16962b-c  
TITLE: Fungisporin, II  
AUTHOR(S): Miyao, Kohei  
CORPORATE SOURCE: Univ. Tokyo  
SOURCE: Bulletin of the Agricultural Chemical  
Society of Japan  
(1955), 19, 86-91  
CODEN: BACOAV; ISSN: 0375-8397  
DOCUMENT TYPE: Journal  
LANGUAGE: unavailable  
IT 24181-12-2, Fungisporin  
(preparation of)  
RN 24181-12-2 HCAPLUS  
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA  
INDEX  
NAME)



L6 ANSWER 64 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1953:55348 HCAPLUS Full-text  
DOCUMENT NUMBER: 47:55348  
ORIGINAL REFERENCE NO.: 47:9406i, 9407a-b  
TITLE: Fungisporin, I

AUTHOR(S): Sumiki, Yusuke; Miyao, Kohei  
CORPORATE SOURCE: Univ. Tokyo  
SOURCE: Nippon Nogei Kagaku Kaishi (1952), 26, 27-31  
CODEN: NNKAA; ISSN: 0002-1407  
DOCUMENT TYPE: Journal  
LANGUAGE: unavailable  
IT 24181-12-2, Fungisporin  
(preparation of)  
RN 24181-12-2 HCAPLUS  
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA  
INDEX  
NAME)



=> DIS HIST

(FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004)

FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004

L1 STRUCTURE UPLOADED  
L2 6 S L1 SAM  
L3 147 S L1 FUL

FILE 'HAPLUS, BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004

L4 96 S L3  
L5 96 DUP REM L4 (0 DUPLICATES REMOVED)  
L6 64 L4 AND PD<20020207

=>

=> Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS SINCE FILE  
TOTAL ENTRY

SESSION  
FULL ESTIMATED COST 242.96  
462.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE  
TOTAL

ENTRY

SESSION  
CA SUBSCRIBER PRICE  
3.96

0.00

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 08:30:17 ON 08 DEC 2004